



Matrix Environmental, Inc.

1880 W. Winchester Rd., Suite 111 Libertyville, Illinois 60048 Phone: 847-367-6835

Fax: 847-367-6845

10 May 2007

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Central Wire, Union, Illinois Site Progress Report for April 2007

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Central Wire facility located in Union, Illinois for the month of April 2007. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.

Matrix Environmental, Inc.

CJS:sk

Attachment

cc: Gerald W. Ruopp, Central Wire

Henry Lopes, Central Wire Scott Carr, Central Wire Steve Hughes, Central Wire

Joyce Munie, IEPA

MONTHLY PROGRESS REPORT Central Wire Union, Illinois Site 1 April through 30 April 2007

1. Progress Made This Reporting Period — This reporting period Central Wire continued the operation and maintenance of the groundwater extraction system. A Groundwater Investigation Report was prepared this reporting period. The groundwater investigation was performed off-site of the Central Wire facility to determine the extent of the groundwater plume. The groundwater investigation included the use of a Geoprobe sampler to collect multiple groundwater samples at off-site properties in order to effectively track the current extent of the groundwater plume. The investigation also included the collection of selected groundwater samples from off-site wells.

The results of the investigation indicated that the contaminants downgradient of the well cluster will follow the predicted flow lines toward the northwest and toward the Central Sod and West Branch Nursery wells. The findings also suggest that the existing extraction wells are capturing the groundwater plume migrating from the Central Wire property and the increase in concentrations at the well clusters may have originally existed 500 feet downgradient of the extraction wells, the stagnation point of the capture zone, and for this reason concentrations at the cluster wells have increased.

- 2. <u>Summary of Validated Data and Results</u> –There was no data collected this reporting period and therefore no validation or tabulation was conducted.
- 3. <u>Upcoming Events/Activities Planned</u> The existing remediation systems will continue to operate as planned. Also this reporting period Central Wire will submit the Groundwater Investigation Report to the U.S EPA.
- 4. <u>Anticipated Problem Areas and Recommended Solutions</u> There are no current or anticipated problem areas to be resolved.
- 5. <u>Key Personnel Changes</u> The Techalloy Company has as of the beginning of this year 2007, changed the name of the company to Central Wire. The email addresses have been changed to @centralwire.com. The email format of the name remained the same. David Williams is no longer with the company. Gerald W. Ruopp is now the General Manager.
- 6. <u>Target and Actual Completion Dates</u> This project has not deviated from the project schedule.

PERMITTEE NA DDRESS
NAME
TECHALLOY COMPANY, INC.
ADDRESS
OLSON AND JEFFERSON ROADS
UNION

TECHALLOY COMPANY, INC.

FACILITY

LOCATION

UNION

IL 60180

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408
PERMIT NUMBER

001 0 DISCHARGE NUMBER Minor 02

 MONITORING PERIOD

 MO - DAY - YEAR
 MO - DAY - YEAR

 FROM
 04-01-2007
 TO
 04-30-2007

TREATED GROUNDWAER EFFLUENT

*** No Discharge 🗆 ***

PARAMETE	D		QUANT	ITY OR LOADING	3	Q	UANTITY OR CO	NCENTRATION		NO.	FREQUENCY	SAMPL
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PARAMETER		QUANTITY OR LOADING		QUANTITY OR CONCENTRATION				NO.	FREQUENCY	SAMPLE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	ANALYSIS	TYPE
TRICHLOROETHENE	SAMPLE MEASUREMENT	****	****	(26)	****	****	.0001	(19)	00	01/30	GR
78391 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	LBS/DY	****	****	0.02 DAILY MX	MG/L		ONCE/MONTH	GRAB

NO DATA : CODE DESCRIPTION

COMMENTS:

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

The analytical results for April are below reporting limits.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
	prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information	Scott C Carr	(815) 923-2131	05-10-2007
Scott Carr, Environmental Coordinator	submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information,	SIGNATURE OF PRINCIPAL EXECUTIVE	1551	
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.	OFFICER OR AUTHORIZED AGENT	AREA NUMBER	MO - DAY - YEAR



Matrix Environmental, Inc.

1880 W. Winchester Rd., Suite 111 Libertyville, Illinois 60048 Phone: 847-367-6835

Fax: 847-367-6845

10 April 2007

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Central Wire, Union, Illinois Site Progress Report for March 2007

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Central Wire facility located in Union, Illinois for the month of March 2007. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.

Matrix Environmental, Inc.

CJS:sk

Attachment

cc: Gerald W. Ruopp, Central Wire

Henry Lopes, Central Wire Scott Carr, Central Wire Steve Hughes, Central Wire

Joyce Munie, IEPA

MONTHLY PROGRESS REPORT Central Wire Union, Illinois Site 1 March through 31 March 2007

- 1. Progress Made This Reporting Period This reporting period Central Wire continued the operation and maintenance of the groundwater extraction system. A groundwater investigation was performed off-site of the Central Wire facility to determine the extent of the groundwater plume. The groundwater investigation included the use of a Geoprobe sampler to collect multiple groundwater samples at off-site properties in order to effectively track the current extent of the groundwater plume. The investigation also included the collection of selected groundwater samples from off-site wells. The groundwater samples have been analyzed and a report is currently being prepared. The report will include the results of groundwater modeling and a comparison of the modeling results to the recently collected groundwater data
- 2. <u>Summary of Validated Data and Results</u> –Validation and tabulation of groundwater data has been conducted this month in response to the groundwater investigation.
- 3. <u>Upcoming Events/Activities Planned</u> The existing remediation systems will continue to operate as planned. Central Wire will be preparing a report presenting the results of the groundwater investigation and evaluate the feasibility of relying on Monitored Natural Attenuation for the edge of the groundwater plume.
- 4. <u>Anticipated Problem Areas and Recommended Solutions</u> There are no current or anticipated problem areas to be resolved.
- 5. <u>Key Personnel Changes</u> The Techalloy Company has as of the beginning of this year 2007, changed the name of the company to Central Wire. The email addresses have been changed to @centralwire.com. The email format of the name remained the same. David Williams is no longer with the company. Gerald W. Ruopp is now the General Manager.
- 6. <u>Target and Actual Completion Dates</u> This project has not deviated from the project schedule.

PERMITTEE NA DDRESS NAME TECHALLOY COMPANY, INC.

ADDRESS OLSON AND JEFFERSON ROADS UNION

IL 60180

FACILITY

TECHALLOY COMPANY, INC.

LOCATION UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

> IL0070408 **PERMIT NUMBER**

MO - DAY - YEAR

03-01-2007

FROM

0010 DISCHARGE NUMBER

MONITORING PERIOD MO - DAY - YEAR 03-31-2007 TO

Minor 02

TREATED GROUNDWAER **EFFLUENT**

*** No Discharge \Box ***

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PARAME	TER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
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NO DATA: CODE	DESCRIPTION									19			
COMMENTS:													

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

Results for March Sampling are below reporting limits

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Scott Carr, Environmental Coordinator
TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

	TELEPHONE	DATE
Scott C Carr	(815) 923-2131	04-09-2007
SIGNATURE OF PRINCIPAL EXECUTIVE		
OFFICER OR AUTHORIZED AGENT	AREA NUMBER	MO - DAY - YEAR



Matrix Environmental, Inc.

1880 W. Winchester Rd., Suite 111 Libertyville, Illinois 60048 Phone: 847-367-6835

Fax: 847-367-6845

12 March 2007

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Central Wire, Union, Illinois Site Progress Report for February 2007

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Central Wire facility located in Union, Illinois for the month of February 2007. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.

Matrix Environmental, Inc.

CJS:sk

Attachment

cc: Gerald W. Ruopp, Central Wire

Henry Lopes, Central Wire Scott Carr, Central Wire Steve Hughes, Central Wire

Joyce Munie, IEPA

MONTHLY PROGRESS REPORT Central Wire Union, Illinois Site 1 February through 28 February 2007

- 1. <u>Progress Made This Reporting Period</u> This reporting period Central Wire continued the operation and maintenance of the groundwater extraction system. Based on the groundwater modeling that was performed, Central Wire planned the groundwater investigation that is scheduled in early March 2007. During this period access to the off-site properties was obtained.
- 2. <u>Summary of Validated Data and Results</u> –No validation or tabulation of groundwater data was needed this reporting period.
- 3. <u>Upcoming Events/Activities Planned</u> The existing remediation systems will continue to operate as planned. Central Wire will be conducting an investigation of the area downgradient of the three-well cluster to determine the current concentrations and evaluate the feasibility of relying on Monitored Natural Attenuation for the edge of the groundwater plume.
- 4. <u>Anticipated Problem Areas and Recommended Solutions</u> There are no current or anticipated problem areas to be resolved.
- 5. <u>Key Personnel Changes</u> The Techalloy Company has as of the beginning of this year 2007, changed the name of the company to Central Wire. The email addresses have been changed to @centralwire.com. The email format of the name remained the same. David Williams is no longer with the company. Gerald W. Ruopp is now the General Manager.
- 6. <u>Target and Actual Completion Dates</u> This project has not deviated from the project schedule.

PERMITTEE NO E/ADDRESS
NAME
TECHALLOY COMPANY, INC.
ADDRESS
OLSON AND JEFFERSON ROADS

IL 60180

FACILITY
TECHALLOY COMPANY, INC.

LOCATION UNION

UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

IL0070408 PERMIT NUMBER

001 0 DISCHARGE NUMBER Minor 02

 MONITORING PERIOD

 MO - DAY - YEAR
 MO - DAY - YEAR

 FROM
 02-01-2007
 TO
 02-28-2007

TREATED GROUNDWAER EFFLUENT

*** No Discharge

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CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

Results for February are below reporting limits

NAME/TITLE PRINCIPAL	EXECUTIVE OFFICER
----------------------	-------------------

Scott Carr, Environmental Coordinator
TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

	TELEPHONE	DATE
Scott C Carr	(815) 923-2131	03-07-2007
SIGNATURE OF PRINCIPAL EXECUTIVE		
OFFICER OR AUTHORIZED AGENT	AREA NUMBER	MO - DAY - YEAR



Matrix Environmental, Inc.

1880 W. Winchester Rd., Suite 111 Libertyville, Illinois 60048 Phone: 847-367-6835

Fax: 847-367-6845

9 February 2007

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Central Wire, Union, Illinois Site Progress Report for January 2007

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Central Wire facility located in Union, Illinois for the month of January 2007. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.

Matrix Environmental, Inc.

CJS:sk

Attachment

cc: Gerald W. Ruopp, Central Wire

Henry Lopes, Central Wire Scott Carr, Central Wire Steve Hughes, Central Wire

Joyce Munie, IEPA

MONTHLY PROGRESS REPORT Central Wire Union, Illinois Site 1 January through 31 January 2007

1. Progress Made This Reporting Period – This reporting period Central Wire continued the operation and maintenance of the groundwater extraction system. Central Wire conducted Bioscreen modeling to evaluate migration distance of the contaminants and the degradation of the contaminants. By evaluating the rate of migration and degradation, Central Wire can assess the distance downgradient the contaminants will migrate and determine if the groundwater will impact the downgradient residential wells. The results of the modeling indicated that the plume would degrade prior to migrating the distance to the residential wells. The modeling also provided information to appropriately locate the boring locations for the investigation to assess the furthest downgradient extent of the plume.

Central Wire also conducted the semiannual groundwater sampling report of all the monitoring wells and selected residential wells (attached).

- 2. <u>Summary of Validated Data and Results</u> –Validation and tabulation of the semiannual groundwater sampling was conducted this reporting period.
- 3. <u>Upcoming Events/Activities Planned</u> The existing remediation systems will continue to operate as planned. Central Wire will be conducting an investigation of the area downgradient of the three-well cluster to determine the current concentrations and evaluate the feasibility of relying on Monitored Natural Attenuation for the edge of the groundwater plume.
- 4. <u>Anticipated Problem Areas and Recommended Solutions</u> There are no current or anticipated problem areas to be resolved.
- 5. <u>Key Personnel Changes</u> The Techalloy Company has as of the beginning of this year 2007, changed the name of the company to Central Wire. The email addresses have been changed to @centralwire.com. The email format of the name remained the same. David Williams is no longer with the company. Gerald W. Ruopp is now the General Manager.
- 6. <u>Target and Actual Completion Dates</u> This project has not deviated from the project schedule.

PERMITTEE NA DDRESS NAME TECHALLOY COMPANY, INC. **ADDRESS OLSON AND JEFFERSON ROADS** UNION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

> IL0070408 **PERMIT NUMBER**

0010 DISCHARGE NUMBER Minor 02

FACILITY
TECHALLOY COMPANY, INC. LOCATION UNION

IL 60180

IL 60180

MONITORING PERIOD MO - DAY - YEAR MO - DAY - YEAR FROM 01-01-2007 то 01-31-2007

TREATED GROUNDWAER **EFFLUENT**

*** No Discharge \Box ***

	_		QUANT	TTY OR LOADING	3	Q	UANTITY OR CO	NCENTRATION		NO.	FREQUENCY	SAMPLE
PARAMETE	R		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
PH 00400 1		SAMPLE MEASUREMENT	****	****		7.8	****	7.8	(12) SU	00	01/30	GR
EFFLUENT GROSS VAI	LUE	PERMIT REQUIREMENT	*****	*****		6.0 MO MIN	MO MIN	9.0 MO MAX			ONCE/MONTH	GRAB
NO DATA: CODE	DESCRIPTION											
COMMENTS:							*					
1,1,1-TRICHLOROETHANE 34506 1 EFFLUENT GROSS VALUE		SAMPLE MEASUREMENT	****	****	(26)	****	****	.0001	(19)	00	01/30	GR
		PERMIT REQUIREMENT	****	****	LBS/DY	****	1.15 ****** ******************************	0.02 DAILY MX	MG/L		ONCE/MONTH	GRAB
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FLOW, IN CONDUIT OR TREATMENT PLANT 50050 1	THRU	SAMPLE MEASUREMENT	.832	.832	(03) MGD	****	****	****		00	99/99	CN
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			QUANT	TITY OR LOADING	•	G	QUANTITY OR CON	CENTRATION		NO.	FREQUENCY	SAMPLE
PARAMET	ER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
TRICHLOROETHENE		SAMPLE MEASUREMENT	****	****	(26)	****	*****	.0001	(19)	00	01/30	GR
78391 1 EFFLUENT GROSS V/	ALUE	PERMIT REQUIREMENT	****	*****	LBS/DY	****		0.02 DAILY MX	MG/L		ONCE/MONTH	GRAB
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COMMENTS:												

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

Results for the month of January are below reporting limits

NAME/TITI	E	PRINCIPAL	EXECU	JTIVE	OFFICER

Scott Carr, Environmental Coordinator
TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

	TELEPHONE	DATE
Scott C Carr	(815) 923-2131	02-09-2007
SIGNATURE OF PRINCIPAL EXECUTIVE	AREA NUMBER	
OFFICER OR AUTHORIZED AGENT	CODE NUMBER	MO - DAY - YEAR



Matrix Environmental, Inc.

1880 W. Winchester Rd., Suite 111 Libertyville, Illinois 60048 Phone: 847-367-6835

Fax: 847-367-6845

10 January 2007

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
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77 West Jackson Boulevard
Chicago, Illinois 60604

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Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Central Wire facility located in Union, Illinois for the month of December 2006. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.

Matrix Environmental, Inc.

CJS:sk

Attachment

cc: Gerald W. Ruopp, Central Wire

Henry Lopes, Central Wire Scott Carr, Central Wire Steve Hughes, Central Wire

Joyce Munie, IEPA

MONTHLY PROGRESS REPORT Central Wire Union, Illinois Site 1 December through 31 December 2006

1. Progress Made This Reporting Period — This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. Techalloy has completed the groundwater modeling of the Techalloy extraction wells and the Central Sod irrigation well. The summary of the results indicates that the existing Techalloy extraction wells are capturing the existing groundwater plume. Because of the seasonal pumping of the Central Sod well and time required to capture the downgradient plume, the effect of the irrigation well is potentially marginal. For this reason, having Central Sod install an additional irrigation well to capture and control the low concentrations of the groundwater plume may actually be more harmful to controlling the capture of the groundwater plume. Techalloy is now conducting additional modeling to evaluate migration distance of the contaminants and the degradation of the contaminants. By evaluating the rate of migration and degradation, Techalloy can assess the distance downgradient the contaminants will migrate and if they will impact the downgradient residential wells.

Techalloy also conducted the semiannual groundwater sampling of all the monitoring wells and selected residential wells (attached).

- 2. <u>Summary of Validated Data and Results</u> –Validation and tabulation of the semiannual groundwater sampling is to be conducted next reporting period.
- 3. <u>Upcoming Events/Activities Planned</u> The existing remediation systems will continue to operate as planned. Techalloy will be conducting an investigation of the area downgradient of the three-well cluster to determine the current concentrations and evaluate the feasibility of relying on Monitored Natural Attenuation for the edge of the groundwater plume.
- 4. <u>Anticipated Problem Areas and Recommended Solutions</u> There are no current or anticipated problem areas to be resolved.
- 5. <u>Key Personnel Changes</u> The Techalloy Company has as of the beginning of this year 2007, changed the name of the company to Central Wire. The email addresses have been changed to @centralwire.com. The email format of the name remained the same. David Williams is no longer with the company. Gerald W. Ruopp is now the General Manager.
- 6. <u>Target and Actual Completion Dates</u> This project has not deviated from the project schedule.

PERMITTEE N ADDRESS

TECHALLOY COMPANY, INC.

ADDRESS

OLSON AND JEFFERSON ROADS

UNION

IL 60180

FACILITY

TECHALLOY COMPANY, INC.

LOCATION UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

IL0070408 **PERMIT NUMBER**

0010 DISCHARGE NUMBER

MONITORING PERIOD MO - DAY - YEAR MO - DAY - YEAR FROM 12-01-2006 ТО 12-31-2006

Minor 02

TREATED GROUNDWAER **EFFLUENT**

*** No Discharge 🗌 ***

2.2			QUANT	TITY OR LOADING	}	Q	UANTITY OR CO	NCENTRATION		NO.	FREQUENCY	SAMPLE
PARAME	IER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
PH 00400 1	.=	SAMPLE MEASUREMENT	****	****		7.88	****	7.88	(12) SU	00	01/30	GR
EFFLUENT GROSS V	ALUE	PERMIT REQUIREMENT	****	*****		6.0 MO MIN	****	9.0 MO MAX	(/		ONCE/MONTH	GRAB
NO DATA: CODE	DESCRIPTION	· ·						* 1				
COMMENTS:			1						N.	4		
1,1,1-TRICHLOROET 34506 1	HANE	SAMPLE MEASUREMENT	****	****	(26)	****	****	.0001	(19) MG/L	01	01/30	GR
EFFLUENT GROSS V	ALUE	PERMIT REQUIREMENT	*****	****	LBS/DY	*****	*****	0.02 DAILY MX	IVIG/L		ONCE/MONTH	GRAB
NO DATA: CODE	DESCRIPTION				-	= 5			4			
COMMENTS:							6	10 mg × 20 mm				
FLOW, IN CONDUIT O TREATMENT PLANT 50050 1	OR THRU	SAMPLE MEASUREMENT	.848	.848	(03) MGD	****	****	****		00	01/01	CN
EFFLUENT GROSS V	ALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	****	*****	*****	5		DAILY	ESTIMA
NO DATA: CODE	DESCRIPTION		, I	W.								
COMMENTS:												
TETRACHLOROETHE	ENE .	SAMPLE MEASUREMENT	****	****	(26)	****	****	.0001	(19)	00	01/30	GR
EFFLUENT GROSS V	ALUE	PERMIT REQUIREMENT	***** ***** *****		LBS/DY	WANKS WANKS THE CONTROL OF THE CONTROL OF	***** ***** ***** **** **** **** *** *** *** *** **	0.02 DAILY MX	MG/L	a gai	ONCE/MONTH	GRAB
NO DATA: CODE	DESCRIPTION											
COMMENTS:	8					<u>*</u>					(8)	

		QUANT	TTY OR LOADING	•	C	QUANTITY OR CO	NCENTRATION		NO.	FREQUENCY	SAMPLE
PARAMETER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
TRICHLOROETHENE	SAMPLE MEASUREMENT	****	****	(26)	****	****	.0001	(19)	00	01/30	GR
78391 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	LBS/DY	****	1. ***** 1. *****	0.02 DAILY MX	MG/L		ONCE/MONTH	GRAB
NO DATA : CODE DESCRIP	TION		У.								
COMMENTS:											1

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

Results of December, 2006 are below reporting limits.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		2	TELEPHONE	DATE
	prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information	Scott C Carr	(815) 923-2131	01-08-2007
Scott Carr, Environmental Coordinator	submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information.	SIGNATURE OF PRINCIPAL EXECUTIVE		
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.	OFFICER OR AUTHORIZED AGENT	AREA NUMBER	MO - DAY - YEAR

Table 1
Central Wire Company Union, Illinois
June 2006 Groundwater Samping
Volatile Organic Compound Results

		Monitori	ing Location			1			MW-2					3			M	W-4									MW-5	5		
		San	npling Date:	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06
Parameter	Method	Units	MCL																											
/inyl Chloride	8260B	μg/L	2							-	-	-	-							-	-							-	-	-
Chloroethane	8260B	μg/L		10-0	2.1	-	-	-	Ψ	-			-	-	-	-	-	-	-		· · · · · · · ·		111-1	-	-	-			-	-
1,1-Dichloroethene	8260B	μg/L	7	26	-	-	2.4	-	-	1-	1.16	-	-	. 7J	2.3	-	-	-	-	-		230	12	5	1.8	-	-	-	1.64	-
Methylene chloride	8260B	μg/L		-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
total 1,2-Dichloroethene	8260B	μg/L	170	58	16	16	9.8	3.5	2.3	-	4.31	-	-	16	3	-	-	-	-	-	5.4	70	4.4	-		-	- 1	-	-	-
1,1-Dichloroethane	8260B	μg/L	800**	65	43	20	10	5.2	4.3	1.9	5.21	-	10	32	27	21	7.7	5.8	1.6	2.6	1.3	59	11	-	-	-	-	-		-
1,1,1-Trichloroethane	8260B	μg/L	200	510	59	88	99	20	7.7	3.3	21.8	6.5	8.8	120	94	59	50	43	-	19	•	4000	300	360	330	150	160	120	93.2	78
1,2-Dichloroethane	8260B	μg/L	5	-	-	-	-	-	-	-	-		•	-	27	-	-	-	-	-	•	-	-	-	-	-	-	-	1-	
Trichloroethene	8260B	μg/L	5	23	8.2	9.5	9.9	2.5	1.4	-	3.05	-	1.8	38	8.1	5.4	4.6	6.9	-	4.9		150	5	10	7.5	4.7	5.1	4.9	4.63	4.7
Toluene	8260B	μg/L	1000	-		-	-	-		-	-	-	-	-	-	-	-	2.9	-	-	•	-	-	-	-	-	-	- 1	= -	-
1,1,2-Trichloroethane	8260B	μg/L	5	-	-	-	-	-		-		-	-	-	-	-	-	-	15	-		12	1.2	-	-	-		-	-	
Tetrachloroethene	8260B	μg/L	5	42	57	39	65	19	15	10	22.3	39	29	130	88	55	46	53	47	37	1.0	620	94	190	210	170	190	190	133	120
total Xylenes (m,o, & p)	8260B	μg/L	10,000	-	-	-	-	-	-	-	- 1 -	-	-	(20) B=1	-	-	-		•	-	-			K. #	•	-	-	-	-	_
		Monitor	ing Location						MW-2								M	W-4			-					,	MW-5			
	_		mpling Date:		A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06
Danamatar	Mothod	Unite												100 J.S.		100000							1 12 12 12							+

		Monitori	Monitoring Location MVV-2 MVV-4																	MW-5										
		San	mpling Date:	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06
Parameter	Method	Units	MCL												Tend ()			5												
Mercury	7470A	μg/L	2	*	-	-	-	*	-	-		*	*	*	-		0.520	*	-		•	*	-	-	-	*	-	-	-	*
Arsenic	6010B	mg/L	0.01	-	-	-		*	-				-	-	-	-	0.018	*	-	-	-	-	-			*	-	-	0.0284	-
Barium	6010B	mg/L	2	0.025	0.037	0.027	0.045	*	0.028	0.036	0.0152	0.02	0.01	0.078	0.050	0.035	0.170	*	0.032	0.046	0.012	0.039	0.049	0.045	0.13	*	0.037	0.035	0.035	0.0026
Cadmium	6010B	mg/L	0.005	•	-	-	-	*	-	-	-	-	~	-	-	-181	0.005	*	-	-	-	-		-		*	-	-	-	-
Chromium	6010B	mg/L	0.1	TO -	0.040	1.100	0.610	*	-	-	0.0813	-	0.022	0.015	0.240	0.150	0.670	*	0.160	0.130	0.0023	-	0.017	-	-	*	-	-	-	-
Lead	6010B	mg/L	0.015	0.037	0.040		-	*	-	-	0.011 J	-	-	0.011	0.011	-	0.730	*	· -	0.015	0.0023	-	-	=		*	-	-	-	-
Selenium	6010B	mg/L	0.05	-	-	-	-	*	~	-	0.020 J		0.0013	** *	-	-	-	*	0.024	0.001		-	-	-	-	*	-	-	0.025 J	-
Silver	6010B	mg/L		-	-	-	-	*	,	-	-	, -	-	-	-	-		*	-	-		-		-	-	*	-	-	0.0021 J	-

Kev:

J = Parameter detected below quantitation detection limit

- Not Detected
- * Not Analyzed

^{**} Region 9 Preliminary Remediation Goal IMW Interior monitoring well (inside Techalloy fence)

Table 1 Central Wire Company Union, Illinois June 2006 Groundwater Samping Volatile Organic Compound Results

		Monitorin	g Location	
		Samp	oling Date:	D-06
Parameter	Method	Units	MCL	
Vinyl Chloride	8260B	μg/L	2	-
Chloroethane	8260B	μg/L	🖔	-
1,1-Dichloroethene	8260B	μg/L	7	-
Methylene chloride	8260B	μg/L	🖔	
total 1,2-Dichloroethene	8260B	μg/L	170	
1,1-Dichloroethane	8260B	μg/L	800**	
1,1,1-Trichloroethane	8260B	μg/L	200	82
1,2-Dichloroethane	8260B	μg/L	5	
Trichloroethene	8260B	μg/L	5	4
Toluene	8260B	μg/L	1000	
1,1,2-Trichloroethane	8260B	μg/L	5	
Tetrachloroethene	8260B	μg/L	5	160
total Xylenes (m,o, & p)	8260B	μg/L	10,000	-

		Monitorin	g Location
		Samp	oling Date: D-06
Parameter	Method	Units	MCL
Mercury	7470A	μg/L	2 *
Arsenic	6010B	mg/L	0.01 -
Barium	6010B	mg/L	2 0.028
Cadmium	6010B	mg/L	0.005 ~
Chromium	6010B	mg/L	0.1 -
Lead	6010B	mg/L	0.015 ~
Selenium	6010B	mg/L	0.05 -
Silver	6010B	mg/L	

Table 1 **Central Wire Company Union, Illinois** June 2006 Groundwater Samping **Volatile Organic Compound Results**

1		Monitorir	ng Location						MW-5D				2						MW-6						9			- 1	MW-7		
			pling Date:	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05
Parameter	Method	Units	MCL																												
Vinyl Chloride	8260B	μg/L	2			_			10.		-	-	-	3						-	-	-	-	4		=				-	
Chloroethane	8260B	μg/L			-	-	-	-	-	-	-	- 4				1	14	-	-	-		-			6.2		Η	-	-	E .	-
1,1-Dichloroethene	8260B	μg/L	7		-	1.3	1.4	1.2		1.1	1.64	:=0	<u>.</u>	_	-	- ,	-	-	-	, -	-	-	-	130	22	11	5.5	2.3	1.9		1.45
Methylene chloride	8260B	μg/L			-	-	-	3 - 3	-	-	-	-		-	-	H		- 8		-	-	-		6J	l i.			-	*	-	- 3
total 1,2-Dichloroethene	8260B	μg/L	170		-	-	-				=	-		-	-	-	-	-	-	-	-	-		52	13	-		-	- 1		-
1,1-Dichloroethane	8260B	μg/L	**008	•	1.8	2.4	2.6	2.6	1.9	2.3	3.45	2.2	2.1	-	·	E 1		-	-	-		-		140	70		-	2.4	2.1	1.9	-
1,1,1-Trichloroethane	8260B	μg/L	200	120	24	50	48	3.7		32	40.4	23	29	10	-	-	1.1	-	٠-	-	-	-		830	440	840	630	270	210		118
1,2-Dichloroethane	8260B	μg/L	5	-	-	-	-	-		-	-	-			-	-	=	=	-	*	-	-		2J	-	10	=	-	-		-
Trichloroethene	8260B	μg/L	5		32	63	52	51		•	47.5	27	30			-	-	-	-	-	-	-	-	64	33	63	56	34	19	15	16
Toluene	8260B	μg/L	1000	-	-	* , •	-	-	-	-	-	-	•		-		*	H			=	-			-		. *	-	-"		-
1,1,2-Trichloroethane	8260B	μg/L	5	110	-	-	-	- 1	29	-	-	-		-	-	-	-	-	-	-	-	-		-	1.3	-		1.1	-	-	= -
Tetrachloroethene	8260B	μg/L	5		12	-	- 1-	-	42	49	-	-	1.2	36	14	10	12	9.6	9.1	9.4	9.91	7.0	7.8	150	84	140	200	160	180	140	140
total Xylenes (m,o, & p)	8260B	μg/L	10,000		-		-	- 10	-	-	-	-		-	7-	-	-	-		-	1	-		-	-			-	-	-	A
			, a.c.											*							1										
-		Monitori	ng Location					-96	MW-5D					100				иW-6					•						MW-7		
		San	npling Date:	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05
Parameter	Method	Units	MCL				3	- "	12 113						To Park			P _P :			15. 91								-		
Mercury	7470A	μg/L	2	*	-	-	-	*	-	-	-	*	*	*	-	-		*			-	*	***************************************	*	-	-	-	*	-	=	0.0002J
Arsenic	6010B	mg/L	0.01	-				*			0.018 J	-	•	-	-	-	-	*	-	-	0.033	-		0.016		-		*	-	-	-
Barium	6010B	mg/L	2	0.058	0.11	0.034	0.075	*	0.065	0.054	-	0.067	0.073	0.091		100000000000000000000000000000000000000	0.083	*	0.073	0.072	0.088	0.064	0.072	0.077	0.050	0.061	0.049	*	0.049	0.048	0.063
Cadmium	6010B	mg/L	0.005	-	-	-	ě	*	8	-		-	•		0.003		-	*	- 10°-	-	- ,	-	-	-	0.003	-		*	-	-	7441
Chromium	6010B	mg/L	0.1		0.01	-	-	*	-	-	-	0.023	0.023	-	1 3	-	-	*	-	-		-	-		0.012	-	-	*	Ψ.	-	-
Lead	6010B	mg/L	0.015	-	0.007	-	-	*	-	-	-	-	•	-	0.430	0.097	0.047	*	-	0.010	0.0074 J	0.016	0.0034	0.009	0.280	0.051	- 1	*	- 1	0.009	0.019 J

J = Parameter detected below quantitation detection limit

- Not Detected
- * Not Analyzed
- ** Region 9 Preliminary Remediation Goal IMW Interior monitoring well (inside Techalloy fence)

0.042 J

6010B

mg/L

Selenium

Table 1
Central Wire Company Union, Illinois
June 2006 Groundwater Samping
Volatile Organic Compound Results

		Monitori	ng Location								MW-8		1.6							V	∕W-9				
		San	npling Date:	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06
Parameter	Method	Units	MCL														182								
Vinyl Chloride	8260B	μg/L	2	-	-							-	-		-							-	-	-	-
Chloroethane	8260B	μg/L		-	-	-	4.	*	*	·	-	-	-	-	<u>-</u>	-	-	-	-	-	=	7 -	-	-	
1,1-Dichloroethene	8260B	μg/L	7	-	-	-	-	* .	*	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	8260B	μg/L		-	-	-	-	*	*		-	-	-	2 9 5	<u>-</u>	-	-	-	-	-	-		- '	-	
total 1,2-Dichloroethene	8260B	μg/L	170	-	-	-	1.9	*	*	12	4.1	2.1	7.39	4.6	6.5	-	-	-	-	-	-	,-	-	-	-
1,1-Dichloroethane	8260B	μg/L	800**	1.2	-	5J	3.9	*	*	20	7.6	5.6	14.3	7.9	9.3			-	-	-		-	-	-	-
1,1,1-Trichloroethane	8260B	μg/L	200	77	86	22	29	*	*	34	24	13	23.1	31	42	-	3.5	-	-	-	-	-	-	-	
1,2-Dichloroethane	8260B	μg/L	5	-	-	-	-	*	*	-	-	-	-	-	•	-	-	-	-	-	-	-	-	-	
Trichloroethene	8260B	μg/L	5	10	9	34	21	*	*	16	23	18	11.6	27	20	-	1.5		-	-	-	-	-	-	-
Toluene	8260B	μg/L	1000	-		-	-	*	*	-	-	-	-	-	-		-	-	-	-		-	-		+
1,1,2-Trichloroethane	8260B	μg/L	5	-	-	-	-	*	*	-	-	-	-	-	-	-	-		-	-	-	-	-	-	
Tetrachloroethene	8260B	μg/L	5	150	200	110	190	*	*	150	200	180	135	150	180	-	12	-	-	-	-	-	-	-	1.5
total Xylenes (m,o, & p)	8260B	μg/L	10,000	-		-	-	*	*		-	-	-	-	-	-	-	-	-	1-	-	-		-	
																						5			
	3	Monitori	Monitoring Location								MW-8	2.9			× 1					1	иW-9				
2			npling Date:	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06

		Monitorin	ng Location								8-WM			×	2					N	ЛW-9		**		×
		Sam	pling Date:	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06
Parameter	Method	Units	MCL			- 5/1					11,	4													
Mercury	7470A	μg/L	2	*	*	*	H	*	*	*	-		0.0002J	*	*	*	-	-	-	*	-			*	*
Arsenic	6010B	mg/L	0.01	-	-	-	-	*	*	*	-	-		-	-	*	-	-	-	*	-	-	-	-	
Barium	6010B	mg/L	2	0.037	0.049	0.044	0.062	*	*	, *	0.047	0.071	0.038	0.037	0.051	*	0.029	0.036	0.038	*	0.024	0.036	0.034	0.041	53
Cadmium	6010B	mg/L	0.005	7-1	-	-	-	*	*	*		-		-	-	*	-	-	-	*		-	-	-	-
Chromium	6010B	mg/L	0.1	0.0021	0.0035	-	₩,	*	*	*		-	-	0.023	0.013	*	-			*		-	-	-	-
Lead	6010B	mg/L	0.015	0.0018	0.003	0.003	0.035	*	*	*	-		0.013 J	0.0041	0.0	*	0.072	0.023		*	-	-	0.023 J	0.0023	
Selenium	6010B	mg/L	0.05	0.0010	-	-		*	*	*	-	-	0.015 J	-	-	*	-	-	-	*	-	-	0.016 J	-	•
Silver	6010B	mg/L		-	-	-	-	*	*	*	-	-	-	-		*	-	-	-	*	-	-	-	-	

Key:

- Not Detected
- * Not Analyzed
- ** Region 9 Preliminary Remediation Goad IMW Interior monitoring well (inside Techalloy fence)

J = Parameter detected below quantitation detection lim

Table 1
Central Wire Company Union, Illinois
June 2006 Groundwater Samping
Volatile Organic Compound Results

		Monitori	ng Location					Non-		2						200	Non-r	responsive	5 2	Wall of		SLAIS	Non-res	ponsive	Non-	responsive	OW-100
20 1	0. 9	San	npling Date:	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	Jn-05	Jn-06	Jn-06	D-06	Jn-06	D-06	Jn-05
Parameter	Method	Units	MCL																								
Vinyl Chloride	8260B	μg/L	2							-	-	-	+							-	=	-	-	_	-	-	-
Chloroethane	8260B	μg/L		-	-	-	-	-	-	-		-	-	*	-	-	*	-	*	-	-	-	-	-	-	-	-
1,1-Dichloroethene	8260B	μg/L	7	140	-	-	-	-	-	-	=			*	-	-	*	-	*	-	-	-	-		- ,	-	-
Methylene chloride	8260B	μg/L		-	•	-		-	-	1=1	-	-		*	-	-	*	-	*	-	-	-	-	•	-	-	-
total 1,2-Dichloroethene	8260B	μg/L	170	18	-	-	-	· -	-	-	-	-	-	*	-		*	-	*		-	-	-	_	-	-	-
1,1-Dichloroethane	8260B	μg/L	800**	21	-	E	-		-	17	-	-	-	*	-	-	*		*	1	-	5 - 1	-	-	-	-	0.90(*)
1,1,1-Trichloroethane	8260B	μg/L	200	1900	45	37	49	15	20		13.6	6.8	6.9	*	-	-	*		*	-		-	-	-		-	20
1,2-Dichloroethane	8260B	μg/L	5	-		19			1.9	-	-	-	-	*	-	-	*	-	*		-	7-1	-		-	-	=
Trichloroethene	8260B	μg/L	5	16	2	2.5	3.4	1.5	-	1.4	1.8	1.6	1.3	*	-		*	-	*		n 1=0	-	-	-	-	-	-
Toluene	8260B	μg/L	1000	-		-		-	-	-	-	-	-	*	-	-	*	-	*		-	- 1	-			-	-
1,1,2-Trichloroethane	8260B	μg/L	5	-		-		-	- 1	-	•	-	-	*	-	-	*	-	*	•	•	-	-	j	-	-	-
Tetrachloroethene	8260B	μg/L	5	120	73	85	130	65	78	73	61.1	58	70	*	-	-	*	- 5	*		•	-	-			-	7.1
total Xylenes (m,o, & p)	8260B	μg/L	10,000	-	-	. =		-	-			-		*	-	-	*	•	*		-	-	-	-	8	-	-
		Monitori	ing Location			210.00		Non-	responsiv								Non-r	responsive				Non-responsive	Non-res	ponsive	Non-	responsive	OW-100
1			npling Date:	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	Jn-05	A-02	J-03	D-03	J-04	J-05	Jn-05	Jn-05	Jn-06	Jn-06	D-06	Jn-06	D-06	Jn-05
Parameter	Method	Units	MCL									41.5							54								
Mercury	7470A	μg/L	2	*		-	-	*	-	-	-	*	•	-	*	*	*	*	*	*	*	*	*	*	*	*	-
Arsenic	6010B	mg/L	0.01	* ,	0.011	1. - 11	-	*	-	-	-	-) -	*	*	*	*	*	*	*	*	*	•	*	*	-
Barium	6010B	mg/L	2	*	0.054	0.018	0.020	*	0.018	0.015	0.019	0.018	0.017	0.017	*	*	*	*	*	*	*	*	*	*	*	*	0.044
Cadmium	6010B	mg/L	0.005	*	-	- I-	-	*	1	-			-	-	*	*	*	*	*	*	*	*	*	•	*	*	-
													200000000000000000000000000000000000000											DODDDDDDDDDDDDDDDDD			

Key

0.1

0.015

0.05

6010B

6010B

6010B

mg/L

mg/L

mg/L mg/L

- J = Parameter detected below quantitation detection limit
- Not Detected
- * Not Analyzed

0.021

** Region 9 Preliminary Remediation Goal

IMW Interior monitoring well (inside Techalloy fence)

Chromium

Selenium

Lead

Table 1 **Central Wire Company Union, Illinois** June 2006 Groundwater Samping **Volatile Organic Compound Results**

		Monitorir	ng Location		8	Downgra	dient S	- 7		. 4		Down	ngradient l					Downg	radient D		
		Sam	pling Date:	F-98	A-02	Jn -05	Jn -05	Jn-06	D-06	F-98	A-02	Jn-05	D-05	Jn-06	D-06	F-98	A-02	Jn-05	D-05	Jn-06	D-06
Parameter	Method	Units	MCL																		
Vinyl Chloride	8260B	μg/L	2	-	-	-	-	_	-	-	-	-	-	-	-	1	-	1.4	1.27	-	-
Chloroethane	8260B	μg/L		-	-	-		-		-	120	_	1-	-	-	1	-	2.6	1.78	2.8	
1,1-Dichloroethene	8260B	μg/L	7	-	-	-	-	-	-	6	21	26	13.6	6.9	4.6	4	24	88	98.4	93	68
Methylene chloride	8260B	μg/L		-	-	-	:=:	-		-	-	-		-	-	-	-	-		-	
total 1,2-Dichloroethene	8260B	μg/L	170		-	-	-		-	-	-	3.5	3.43	1.4		-	-	38.5	51.1	49.1	-
1,1-Dichloroethane	8260B	μg/L	800**	-	-	-	1-	- 1	-	1	45	17	18.4	15	18	2	100	190	269	270	330
1,1,1-Trichloroethane	8260B	μg/L	200		1.2	2.2	1.39	1.2	1.3	-	83	140	47.2	22	18	•	1	4.1	12.6	-	12
1,2-Dichloroethane	8260B	μg/L	5	-	-	-	y (=)	-	-	0.6	150	-	18.4	-	-	2	37.6	-	2.54	2.6	2.5
Trichloroethene	8260B	μg/L	5	0.6	-	1	-	-	1.0	4	9 J	31	21.6	12	9.7	-	-	2.5	7.46	5.5	6.2
Toluene	8260B	μg/L	1000	-	-	-	-	-	-	2 **		-	1.21	-	-	-	-	-	-	-	
1,1,2-Trichloroethane	8260B	μg/L	5	-	-	-	-	-	-	13	-	-	-	-	-		-	-	-	-	-
Tetrachloroethene	8260B	μg/L	5	-	1.9	-	-	-	-	-	47	-	-	-	-	-	1.4	-	-	-	
total Xylenes (m,o, & p)	8260B	μg/L	10,000		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	•

		Monitori	ing Location			Downgrad	dient 1 S			T		Dowr	ngradient 1 l		8			Downg	gradient D		
W		San	npling Date:	F-98	A-02	Jn-05	Jn-05	Jn-06	D-06	F-98	A-02	Jn-05	Jn-05	Jn-06	D-06	F-98	A-02	Jn-05	D-05	Jn-06	D-06
Parameter	Method	Units	MCL																		
Mercury	7470A	μg/L	2	*	*	-	-	*	*	*	*	-	0.0003 J	*	•	*	*	-	-	*	•
Arsenic	6010B	mg/L	0.01	*	*	0.024	0.011 J	-	-	*	*	0.021	0.021	-	-	*	*	-	-		•
Barium	6010B	mg/L	2	*	*	-	0.026	0.023	0.028	*	*	-	0.0233	0.022	0.023	*	*	0.1	0.087	0.079	0.071
Cadmium	6010B	mg/L	0.005	*	*	=	-	#			*	-	-	-	-	*	*	•	-	-	
Chromium	6010B	mg/L	0.1	*	*	-	-	-	-	*	*	-	-	-	-	*	*	-	-	0.001	0.0011
Lead	6010B	mg/L	0.015	*	*	=	-	-		*	*	-	-	-	-	*	*	8	-	-	
Selenium	6010B	mg/L	0.05	* .	*	-	0.026 J	-	-	*	*	-	0.027 J	0.001	-	*	*	-	0.027 J	-	-
Silver	6010B	mg/L		*	*	=	-			*	*			-	-	*	*	-	-	-	-

J = Parameter detected below quantitation detection limit

- Not Detected

* Not Analyzed

Region 9 Preliminary Remediation Goal Interior monitoring well (inside Techalloy fence) 04:48pm



Matrix Environmental, Inc.

1880 W. Winchester Rd., Suite 111 Libertyville, Illinois 60048 Phone: 847-367-6835

Fax: 847-367-6845

10 October 2006

Ms. Bhooma Sundar U.S. Environmental Protection Agency Region V RCRA Enforcement and Compliance Assurance Branch (DE-9J) 77 West Jackson Boulevard Chicago, Illinois 60604

Techalloy Site Progress Report for September 2006 Re:

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of September 2006. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.

Matrix Environmental, Inc.

CJS:sk

Attachment

David Williams, Techalloy cc:

> Henry Lopes, Techalloy Scott Carr, Techalloy Steve Hughes, Techalloy Joyce Munie, IEPA

NAMEJADDRESS NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) NAME TECHALLOY COMPANY, INC. DISCHARGE MONITORING REPORT (DMR) **ADDRESS** IL007040B 0010 **OLSON AND JEFFERSON ROADS** PERMIT NUMBER DISCHARGE NUMBER UNION IL 60180

IL 60180

Γ	MONITO	RING	PERIOD
T	MO - DAY - YEAR	TT	MO - DAY - YEAR
FROM	09-01-2006	TO	09-30-2006

Minor 02

TREATED GROUNDWAER **EFFLUENT** *** No Discharge 🗌 ***

				QUANTI	TY OR LOADING		Q	UANTITY OR CON	CENTRATION		NO.	FREQUENCY	SAMPLE
PARAM	METER			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
PH			SAMPLE MEASUREMENT	****	*****		7.9	94447	7.9	(12) SU	00	01/30	GR
00400 1 EFFLUENT GROSS	S VALU	JE	PERMIT REQUIREMENT	14191	490		ainkomus		, XAM GM O E	(12) 55		OKSEMBRIH	GRAG
NO DATA: CODE		DESCRIPTION											
COMMENTS:				*									
1,1,1-TRICHLOROX 34506 1	ETHAN	IE	SAMPLE MEASUREMENT	£44PL	\$ 4.0 E.	(26) LBS/DY	264+1	97459	.0001	(19) MG/L	00	01/30	GR
EFFLUENT GROSS	VALU	JE	PERMIT REQUIREMENT	aloga	A)EX	LBS/DY		gries)	0.02 DAILY MX	WG/L		incinanti	GRAB
NO DATA: CODE		DESCRIPTION											
COMMENTS:													
FLOW, IN CONDUI TREATMENT PLAN 50050 1		THRU	SAMPLE MEASUREMENT	.882	.882	(03) MGD	14917	5-1.3 1.9	****		00	01/01	CN
EFFLUENT GROSS	SVALU	JE	PERMIT REQUIREMENT	REPORT MO AVG	REPORTS DAILYMX	IVIGD	1444.	lei!	ym.			DAILY	ESTIMA
NO DATA: CODE		DESCRIPTION							7				
COMMENTS:													
TETRACHLOROET	HENE		SAMPLE MEASUREMENT	****	****	(26) LBS/DY	****	****	.0001	(19) MG/L	00	01.00	GR
78389 1 EFFLUENT GROSS	S VAL	JE	PERMIT REQUIREMENT		2	LBS/DY	e (e		O OZ DAUY MX	MG/L		ONCEMONIA)	GRAB.
NO DATA: CODE		DESCRIPTION											
COMMENTS:													

FACILITY

LOCATION UNION

TECHALLOY COMPANY, INC.

DADAMETER		QUANT	ITY OR LOADING		G C	UANTITY OR CO	NCENTRATION		NO.	FREQUENCY	SAMPLE
PARAMETER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
TRICHLOROETHENE 78391 1	SAMPLE MEASUREMENT	*****	21740	(26)	****	44674	.0001	(19) MG/L	00	01/30	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	New C	i.e.	LBS/DY		nini.	DAY DAILY	MG/L		DN, EMORTH	GRAH.
NO DATA: CODE DESCRIPTIO	N										

EFFLUENT GROSS	SVALUE		REQUIREMENT	Name of the second				EMONTH GRATH
NO DATA: CODE	D	ESCRIPTION						
COMMENTS:								
CONSIDERATIONS	FOR FOR	M COMPLETIC	N					
DMR COMMENTS The system was re	paired an	nd started in th	e beginning of	September. Results from September are	below repo	orling fimits		
NAME/TITLE PRINCE	PAL EXEC	CUTIVE OFFICE		r penalty of law that this document and all attach	ments were		TELEPHONE	DATE
			to assume the submitted. Ba or those perso	r my direction or supervision in accordance with a syste it qualified personnel propenty gather and evaluate the sed on my inquiry of the person or persons who manage ns directly responsible for gathering the information, the	information the system, information	Scott C Carr	(815) 923-2131	10-11-2006
Scott Carr, Envir			submitted is, t	o the best of my knowledge and belief, true, accurate, ar lat there are significant penalties for submitting false	nd complete. information,	SIGNATURE OF PRINCIPAL EXECUTIVE	ARF4	110 54V VEAD
TYPED (OR PRINT	ED	including the	possibility of fine and imprisonment for knowing	violations.	OFFICER OR AUTHORIZED AGENT	AREA NUMBER	MO - DAY - YEAR

04:48pm

MONTHLY PROGRESS REPORT Techalloy Site 1 September through 30 September 2006

- 1. Progress Made This Reporting Period This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. The U.S. EPA is concerned that Techalloy is not controlling the contaminant plume and has requested that Techalloy regain this control. Techalloy is currently conducting modeling to evaluate the groundwater migration. Techalloy is also conducting groundwater sampling and discussing well installation options with Central Sod.
- 2. <u>Summary of Validated Data and Results</u> No validation is being performed this reporting period.
- 3. <u>Upcoming Events/Activities Planned</u> The existing remediation systems will continue to operate as planned. Techalloy is determining other options to gain control of the groundwater plume, including Central Sod's involvement.
- 4. Anticipated Problem Areas and Recommended Solutions There are no current or anticipated problem areas to be resolved.
- 5. Key Personnel Changes There has been no change of key personnel this reporting period.
- 6. <u>Target and Actual Completion Dates</u> This project has not deviated from the project schedule.

09-11-2068



Matrix Environmental, Inc.

1880 W. Winchester Rd., Suite 111 Libertyville, Illinois 60048 Phone: 847-367-6835

Fax: 847-367-6845

10 September 2006

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for August 2006

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of August 2006. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.

Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy

Henry Lopes, Techalloy Scott Carr, Techalloy Steve Hughes, Techalloy Joyce Munie, IEPA

MONTHLY PROGRESS REPORT Techalloy Site 1 August through 31 August 2006

1. Progress Made This Reporting Period — This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. The performance data has demonstrated that the groundwater in the area of the sparging system has been remediated. The U.S. EPA has verbally instructed Techalloy that the sparging system could be shut off, but that the soil vapor extraction system needed to continue operations. Techalloy will shortly stop operation of the sparging system, but as of now continues to operate the system.

A meeting at the U.S. EPA office was held to discuss the current situation of the groundwater plume emanating from the Techalloy property. The U.S. EPA discussed the four factors that they are looking to achieve with Corrective Action. The U.S. EPA is concerned that Techalloy does not control containment of the contaminant plume and has requested that Techalloy regain this control. The U.S. EPA understands that this lose of control is of no fault of Techalloy and the U.S. EPA is willing to work with Techalloy, but admits that they have no legal recourse with either Central Sod or McHenry County. The last item discussed was the shutting down of the sparging system which continue to vent. The U.S. EPA Project Manager indicated that she would be further discussing this issue.

- 2. <u>Summary of Validated Data and Results</u> Last month validation of the second round of the semi-annual groundwater sampling was conducted.
- 3. <u>Upcoming Events/Activities Planned</u> The existing remediation systems will continue to operate as planned. Techalloy is determining other options to gain control of the groundwater plume, including Central Sod's involvement.
- 4. <u>Anticipated Problem Areas and Recommended Solutions</u> There are no current or anticipated problem areas to be resolved.
- 5. Key Personnel Changes There has been no change of key personnel this reporting period.
- 6. <u>Target and Actual Completion Dates</u> This project has not deviated from the project schedule.



From-MATRIX ENVIRONMENTALSULTANTS

Matrix Environmental, Inc.

1880 W. Winchester Rd., Suite 111 Libertyville, Illinois 60048 Phone: 847-367-6835

Fax: 847-367-6845

Fax

To: BHO0	DMA SUNDAR		From: _	SHIRLEY/C	ARLOS SERNA
Organization:	U,S, EPA		Pages: _	3	
Fax Number:	,,,,		Date:	9/12/06	
Re:			Time: _		
☐ Urgent	☐ For Review	□ Please Co	omment	☐ Please Reply	☐ Please Recycle
Comments:					

BHOOMA, HERE IS THE DMR TO GO WITH THE MONTHLY REPORT I SENT YESTERDAY

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PERMITT NAME/ADDRESS
NAME
TECHALLOY COMPANY, INC.
ADDRESS
OLSON AND JEFFERSON ROADS
UNION

IL 60180

FACILITY
TECHALLOY COMPANY, INC.

LOCATION UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

IL0070408 001 0
PERMIT NUMBER DISCHARGE NUMBER

| MONITORING PERIOD | MO - DAY - YEAR | MO - DAY - YEAR | FROM | 08-01-2006 | TO | 08-31-2006 |

Minor 02

TREATED GROUNDWAER EFFLUENT

*** No Discharge 🗌 ***

nema.				QUANT	ITY OR LOADING		Q	UANTITY OR CON	CENTRATION		NO.	FREQUENCY	SAMPLE
PARAN	METER			AVERAGE	MUMIXAM	UNITS	MINIMUM	AVERAGE	MUMIXAM	UNITS	EX	OF ANALYSIS	TYPE
PH 00400 1			SAMPLE MEASUREMENT		49874		7.5	*****	7.5	(12) SU	00	01/30	GR
EFFLUENT GROSS	S VAL	UE	PERMIT REQUIREMENT	um 1	2411		6.0 MO MIN	21	XAMOMBE			ONCOMONIU	' drae
NO DATA: CODE		DESCRIPTION			-								
COMMENTS:													
1, 1,1- TRICHLORO8 34506 1	ETHA	NE	SAMPLE MEASUREMENT	4144	****	(26) LBS/DY	****	****	.0001	(19) MG/L	OD	01/30	GR
EFFLUENT GROSS	VAL	UE	PERMIT REQUIREMENT	mat	wa.	LB3/U1	dine	*****	DOZDANY NX	WG/L		ONCEMBITH.	GRAG
NO DATA: CODE		DESCRIPTION											
COMMENTS:								3			10		
FLOW, IN CONDUI TREATMENT PLAN 50050 1	T OR IT	THRU	SAMPLE MEASUREMENT	.453	.453	(03) MGD	****	****	47414		00	99/99	CN
EFFLUENT GROSS	S VAL	UE	PERMIT REQUIREMENT	REPORT MO: AVE	REPORT DAILY MX	MGD	17014	All The All	and .			EAR	ESTIMA
NO DATA: CODE		DESCRIPTION	<u> </u>						***				
COMMENTS:		\$1			~								
TETRACHLOROET 78389 1	HEN	Ξ	SAMPLE MEASUREMENT	****	****	(26) LBS/DY	有代表情 名	£7124	.0001	(19) MG/L	00	CEND	GR
EFFLUENT GROSS	S VAL	UE	PERMIT REQUIREMENT		10 pt 4	TR2/DA	7000		DEZDATY MX	MG/L		CINO NESSAO	GHAU
NO DATA: CODE		DESCRIPTION				***						+	
COMMENTS:													

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PARAMETER			QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO.	FREQUENCY OF	SAMPLE
			AVERAGE	MUMIXAM	UNITS	MUMINIM	AVERAGE	MAXIMUM	UNITS	EX	ANALYSIS	TYPE
TRICHLOROETHENE 78391 1 EFFLUENT GROSS VALUE		SAMPLE MEASUREMENT	49494	46444	(26) LBS/DY	dista	****	.0001	(19)	00	01/30	GR
		PERMIT REQUIREMENT	A.III					0.09 <u>/40</u> 7.05/ MIX			AND MAKES	GRAB!
NO DATA: CODE	DESCRIPTION											

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

COMMENTS:

The system was down for maintenance two days in the month of August and was hit by lighting the 25th of August parts are ordered and will be running in begining of Sept. All results for August are below reporting limits.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
	prepared under my direction or supervision in accordance with a system designed to essume that qualified personnel property gather and evaluate the Information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information	Scott C Carr	(815) 923-2131	09-12-2006
Scott Carr, Environmental Coordinator TYPED OR PRINTED	submitted is, to the best of my knowfedge and belief, true, eccurate, and complete. I am aware that there are significant penalties for submitting files information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA MUMBER	MO - DAY - YEAR



Matrix Environmental, Inc.

1880 W. Winchester Rd., Suite 111 Libertyville, Illinois 60048 Phone: 847-367-6835

Fax: 847-367-6845

10 August 2006

Ms. Bhooma Sundar U.S. Environmental Protection Agency RCRA Enforcement and Compliance Assurance Branch (DE-9J) 77 West Jackson Boulevard Chicago, Illinois 60604

Techalloy Site Progress Report for July 2006 Re:

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of July 2006. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.

Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy

> Henry Lopes, Techalloy Scott Carr, Techalloy Steve Hughes, Techallov Joyce Munic, IEPA

MONTHLY PROGRESS REPORT Techalloy Site 1 July through 31 July 2006

1. Progress Made This Reporting Period — This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. The performance data has demonstrated that the groundwater in the area of the sparging system has been remediated. The U.S EPA has verbally instructed Techalloy that the sparging system could be shut off, but that the soil vapor extraction system needed to continue operations. Techalloy will shortly stop operation of the sparging system, but as of now continues to operate the system.

Last month Techalloy conducted the semi-annual groundwater sampling event. In addition to sampling the required monitoring wells, Techalloy also sampled selected residential wells, Central Sod's wells, additional on-site wells, and the downgradient well cluster. This expanded groundwater sampling was conducted to evaluate the current groundwater plume concentrations and to evaluate the effect that Central Sod has had on the aquifer by irrigation operations.

The results indicated that the residential wells and the Central Sod wells were not impacted with chlorinated solvents, but that the downgradient well cluster continued to be impacted with chlorinated solvent constituents identified in the intermediate and deep portions of the aquifer. The additional sampled wells in the interior of the fenced area of the Techalloy property were non-detect for chlorinated solvent constituents. The data was reported to the U.S. EPA.

- 2. <u>Summary of Validated Data and Results</u> Last month validation of the second round of the semi-annual groundwater sampling was conducted.
- 3. <u>Upcoming Events/Activities Planned</u> The existing remediation systems will continue to operate as planned. A meeting with the U.S. EPA will be conducted next month to discuss the downgradient concentrations and the groundwater extractions caused by Central Sod.
- 4. Anticipated Problem Areas and Recommended Solutions There are no current or anticipated problem areas to be resolved.
- 5. Key Personnel Changes There has been no change of key personnel this reporting period.
- 6. Target and Actual Completion Dates This project has not deviated from the project schedule.

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4

PERMITTEE NAME/ADDRESS
NAME
TECHALLOY COMPANY, INC.
ADDRESS
OLSON AND JEFFERSON ROADS
UNION

IL 60180

FACILITY
TECHALLOY COMPANY, INC.
LOCATION
UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (MPDES) DISCHARGE MONITORING REPORT (DMR)

IL0070408 PERMIT NUMBER

FROM

001 0 DISCHARGE NUMBER Minor 02

MO-DAY-YEAR MO-DAY-YEAR 07-01-2006 TO 07-31-2006

TREATED GROUNDWAER EFFLUENT

*** No Discharge 🗌 ***

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PARAMETER			QUANTITY OR LOADING			QUANTITY OR CONCENTRATION					FREQUENCY	SAMPLE
			AVERAGE	MAXIMUM UNITS		MINIMUM AVERAGE		MAXIMUM UNIT		EX	OF ANALYSIS	TYPE
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COMMENTS:												

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

System was shut down 3 days in July for Maintenance. Results for July are below reporting limits.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
	prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information	Scott C Carr	(815) 923-2131	08-09-2006
Scott Carr, Environmental Coordinator	submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information.	SIGNATURE OF PRINCIPAL EXECUTIVE		
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.	OFFICER OR AUTHORIZED AGENT	CODE NUMBER	MO - DAY - YEAR



1880 W. Winchester Rd., Suite 111 Libertyville, Illinois 60048 Phone: 847-367-6835

Fax: 847-367-6845

10 April 2006

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for March 2006

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of March 2006. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.

Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy

Henry Lopes, Techalloy Scott Carr, Techalloy Steve Hughes, Techalloy Joyce Munie, IEPA

MONTHLY PROGRESS REPORT Techalloy Site 1 March through 31 March 2006

- 1. Progress Made This Reporting Period This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. The performance data that was collected last year was reevaluated and resubmitted to Techalloy for review. This performance data was submitted to the U.S. EPA for review this reporting period by Techalloy. This performance review demonstrates that the groundwater has been remediated and that soil in areas still need soil vapor extraction treatment.
- 2. <u>Summary of Validated Data and Results</u> No samples were collected this reporting period and no validation was needed.
- 3. <u>Upcoming Events/Activities Planned</u> The existing remediation systems will continue to operate as planned.
- 4. <u>Anticipated Problem Areas and Recommended Solutions</u> There are no current or anticipated problem areas to be resolved.
- 5. **Key Personnel Changes** There has been no change of key personnel this reporting period.
- 6. <u>Target and Actual Completion Dates</u> This project has not deviated from the project schedule.

PERMITTEE N. E/ADDRESS
TECHALLOY COMPANY, INC.
ADDRESS
OLSON AND JEFFERSON ROADS
UNION

TECHALLOY COMPANY, INC.

FACILITY

LOCATION

UNION

IL 60180

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408	e li
PERMIT NUMBER	

001 0 DISCHARGE NUMBER Minor 02

 MONITORING PERIOD

 MO - DAY - YEAR
 MO - DAY - YEAR

 FROM
 03-01-2006
 TO
 03-31-2006

TREATED GROUNDWAER EFFLUENT

*** No Discharge

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PARAMI	ETER		QUANT	TTY OR LOADING	;	Q	UANTITY OR CO	NCENTRATION		NO.	FREQUENCY OF	SAMPLE
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PH 00400 1	9	SAMPLE MEASUREMENT	****	****		8.0	****	8.0	(12) SU	00	01/30	GR
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NO DATA: CODE		DESCRIPTION											
COMMENTS:								1				1	

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

Results for March are below reporting limits

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	. sering and penang or ian that the decament and an attachmente here		TELEPHONE	DATE
*	prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information	Scott C Carr	(815) 923-2131	04-10-2006
Scott Carr, Environmental Coordinator	submitted is, to the best of my knowledge and belief, true, accurate, and complete.	SIGNATURE OF PRINCIPAL EXECUTIVE		
TYPED OR PRINTED	I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	OFFICER OR AUTHORIZED AGENT	AREA NUMBER	MO - DAY - YEAR



1880 W. Winchester Rd., Suite 111 Libertyville, Illinois 60048 Phone: 847-367-6835

Fax: 847-367-6845

10 March 2006

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for February 2006

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of February 2006. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.

Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy

Henry Lopes, Techalloy Scott Carr, Techalloy Steve Hughes, Techalloy

Joyce Munie, IEPA

MONTHLY PROGRESS REPORT

Techalloy Site 1 February through 28 February 2006

- 1. Progress Made This Reporting Period This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. The performance data that was collected last year was reevaluated and resubmitted to Techalloy for review. This evaluation is to be submitted to the U.S. EPA once reviewed by Techalloy. This performance review demonstrates that the groundwater has been remediated and that soil in areas still need soil vapor extraction treatment.
- 2. <u>Summary of Validated Data and Results</u> No samples were collected this reporting period and no validation was needed.
- 3. <u>Upcoming Events/Activities Planned</u> The existing remediation systems will continue to operate as planned. The performance evaluation data is to be submitted to the U.S. EPA in early March 2006.
- 4. <u>Anticipated Problem Areas and Recommended Solutions</u> There are no current or anticipated problem areas to be resolved.
- 5. **Key Personnel Changes** There has been no change of key personnel this reporting period.
- 6. <u>Target and Actual Completion Dates</u> This project has not deviated from the project schedule.

PERMITTEE LEIADDRESS

NAME
TECHALLOY COMPANY, INC.

ADDRESS
OLSON AND JEFFERSON ROADS
UNION

IL 60180

FACILITY
TECHALLOY COMPANY, INC.
LOCATION

UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

IL0070408 PERMIT NUMBER 001 0 DISCHARGE NUMBER Minor 02

 MONITORING PERIOD

 MO - DAY - YEAR
 MO - DAY - YEAR

 FROM
 02-01-2006
 TO
 02-28-2006

TREATED GROUNDWAER EFFLUENT

*** No Discharge

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EFFLUENT GROSS	S VAL	UE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGĎ	****	****	****			DAILY	ESTIMA
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PARAMETER			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
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CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

February Results are below reporting limits

NAME/TIT	LE PRINCIPAL EXECUTIVE OFFICER
Scott	Carr, Environmental Coordinator
	TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

	TELEPHONE	DATE
Scott C Carr	(815) 923-2131	03-01-2006
SIGNATURE OF PRINCIPAL EXECUTIVE		
OFFICER OR AUTHORIZED AGENT	AREA NUMBER	MO - DAY - YEAR



1880 W. Winchester Rd., Suite 111 Libertyville, Illinois 60048 Phone: 847-367-6835

Fax: 847-367-6845

10 January 2006

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for December 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of December 2005. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.

Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy

Henry Lopes, Techalloy Scott Carr, Techalloy Steve Hughes, Techalloy Joyce Munie, IEPA

MONTHLY PROGRESS REPORT Techalloy Site 1 December through 31 December 2005

- 1. **Progress Made This Reporting Period** This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. This month the sampling and analysis of the monitoring wells downgradient of the contaminant plume were conducted.
- 2. <u>Summary of Validated Data and Results</u> The groundwater data was collected this month and will be validated in January 2006 prior to preparation of the groundwater report.
- 3. <u>Upcoming Events/Activities Planned</u> The existing remediation systems will continue to operate as planned. The second semi-annual groundwater sampling data is to be analyzed and submitted to Techalloy. Techalloy will then prepare a report summarizing the results and submit the report to the U.S. EPA.
- 4. <u>Anticipated Problem Areas and Recommended Solutions</u> There are no current or anticipated problem areas to be resolved.
- 5. **Key Personnel Changes** There has been no change of key personnel this reporting period.
- 6. <u>Target and Actual Completion Dates</u> This project has not deviated from the project schedule.

PERMITTEE NAME/ADDRESS

NAME TECHALLOY COMPANY, INC.

ADDRESS

OLSON AND JEFFERSON ROADS

UNION

UNION

IL 60180

FACILITY

TECHALLOY COMPANY, INC. LOCATION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

IL0070408 PERMIT NUMBER

0010 DISCHARGE NUMBER Minor 02

Γ	MONITO	RING	PERIOD
	MO - DAY - YEAR		MO - DAY - YEAR
FROM	12-01-2005	то	12-31-2005

TREATED GROUNDWAER **EFFLUENT**

*** No Discharge 🗌 ***

			QUANT	ITY OR LOADING	i	Q	UANTITY OR CO	NCENTRATION		NO.	FREQUENCY	SAMPLE
PARAMET	TER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
PH	A Charles	SAMPLE MEASUREMENT	****	****		8.2	****	8.2	(12) SU	00	01/30	GR
00400 1 EFFLUENT GROSS V	ALUE	PERMIT REQUIREMENT	****	****		6.0 MO MIN	****	9.0 MO MAX	(12) 00		ONCE/MONTH	GRAB
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1,1,1-TRICHLOROETI 34506 1	HANE	SAMPLE MEASUREMENT	****	****	(26)	****	****	.0001	(19)	00	01/30	GR
FFLUENT GROSS VALUE		PERMIT REQUIREMENT	****	****	LBS/DY	****	****	0.02 DAILY MX	MG/L		ONCE/MONTH	GRAB
NO DATA: CODE	DESCRIPTION											
COMMENTS:						8						
FLOW, IN CONDUIT O TREATMENT PLANT 50050 1	OR THRU	SAMPLE MEASUREMENT	.848	.848	(03)	****	****	****		00	99/99	CN
EFFLUENT GROSS V	ALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGÓ	****	****	****			DAILY	ESTIMA
NO DATA: CODE	DESCRIPTION											
COMMENTS:			le .									
TETRACHLOROETHE	ENE	SAMPLE MEASUREMENT	****	****	(26)	****	****	.0001	(19) MG/L	00	01/30	GR
78389 1 EFFLUENT GROSS V	ALUE	PERMIT REQUIREMENT	*****	****	LBS/DY	****	****	0.02 DAILY MX	MG/L		ONCE/MONTH	GRAB
NO DATA: CODE	DESCRIPTION											
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			QUANT	TITY OR LOADING		QUANTITY OR CONCENTRATION					FREQUENCY	SAMPLE
PARAMETER			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX		TYPE
TRICHLOROETHEN	E	SAMPLE MEASUREMENT	****	****	(26)	****	****	.0001	(19) MG/L	00	01/30	GR
78391 1 EFFLUENT GROSS	VALUE	PERMIT REQUIREMENT	*****	*****	LBS/DY	****	****	0.02 DAILY MX	MG/L		ONCE/MONTH	GRAB
NO DATA: CODE	DESCRIPTION											
COMMENTS:												

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

December results are below reporting limit

Scott Carr	, Environmental Coordinator

TYPED OR PRINTED

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

	TELEPHONE	DATE
Scott C Carr	(815) 923-2131	12-30-2005
SIGNATURE OF PRINCIPAL EXECUTIVE		
OFFICER OR AUTHORIZED AGENT	AREA NUMBER	MO - DAY - YEAR



1880 W. Winchester Rd., Suite 111 Libertyville, Illinois 60048 Phone: 847-367-6835

Fax: 847-367-6845

9 December 2005

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for November 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of November 2005. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.

Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy

Henry Lopes, Techalloy Scott Carr, Techalloy Steve Hughes, Techalloy

Joyce Munie, IEPA

MONTHLY PROGRESS REPORT Techalloy Site 1 November through 30 November 2005

- 1. **Progress Made This Reporting Period** This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan.
- 2. <u>Summary of Validated Data and Results</u> There was no validation required this reporting period.
- 3. <u>Upcoming Events/Activities Planned</u> The existing remediation systems will continue to operate as planned. Techalloy will be sampling groundwater in December 2005.
- 4. <u>Anticipated Problem Areas and Recommended Solutions</u> There are no current or anticipated problem areas to be resolved.
- 5. <u>Key Personnel Changes</u> The Matrix Environmental, Inc. address has been changed to 1880 W. Winchester Rd., Suite 111, Libertyville, IL 60048. All other information pertaining to the company, such as phone number remains the same. There has been no change of key personnel this reporting period.
- 6. <u>Target and Actual Completion Dates</u> This project has not deviated from the project schedule.

PERMITTEE NAME ADDRESS NAME

TECHALLOY COMPANY, INC.

ADDRESS

OLSON AND JEFFERSON ROADS UNION

ONIO

IL 60180

FACILITY

TECHALLOY COMPANY, INC.

LOCATION UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

IL0070408
PERMIT NUMBER

001 0 DISCHARGE NUMBER Minor 02

 MONITORING PERIOD

 MO - DAY - YEAR
 MO - DAY - YEAR

 FROM
 11-01-2005
 TO
 11-30-2005

TREATED GROUNDWAER EFFLUENT

*** No Discharge 🗌 ***

PARAME	TED		QUANT	ITY OR LOADING	3	Q	UANTITY OR CO	NCENTRATION		NO.	FREQUENCY	SAMPLE
PARAME	IEK		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
PH 00400 1		SAMPLE MEASUREMENT	****	****		8.1	****	8.1	(12) SU	00	01/30	GR
EFFLUENT GROSS	VALUE	PERMIT REQUIREMENT	****	****		6.0 MO MIN	****	9.0 MO MAX	(12) 00		ONCE/MONTH	GRAB
NO DATA: CODE	DESCRIPTION											
COMMENTS:		,					3/10					
1,1,1-TRICHLOROET	HANE	SAMPLE MEASUREMENT	****	****	(26)	****	****	.0001	(19)	00	01/30	GR
FFLUENT GROSS VALUE		PERMIT REQUIREMENT	LBS/DY	****	****	0.02 DAILY MX	MG/L		ONCE/MONTH	GRAB		
NO DATA: CODE	DESCRIPTION											
COMMENTS:												
FLOW, IN CONDUIT TREATMENT PLANT 50050 1	OR THRU	SAMPLE MEASUREMENT	.852	.852	(03)	****	****	****		00	01/01	CN
EFFLUENT GROSS	/ALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	М̀ǴD	****	****	****			DAILY	ESTIMA
NO DATA: CODE	DESCRIPTION						-					
COMMENTS:								V TO S	13808-1	- W		
TETRACHLOROETH	ENE	SAMPLE MEASUREMENT	****	****	(26)	****	****	.0001	(19)	00	01/30	GR
EFFLUENT GROSS \	/ALUE	PERMIT REQUIREMENT	****	****	LBS/DY	*****	****	0.02 DAILY MX	MG/L		ONCE/MONTH	GRAB
NO DATA: CODE	DESCRIPTION									8		
COMMENTS:		,										

DADAMET			QUANTITY OR LOADING			QUANTITY OR CONCENTRATION					FREQUENCY	SAMPLE
PARAMETER			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
TRICHLOROETHENE 78391 1 EFFLUENT GROSS VALUE		SAMPLE MEASUREMENT	****	****	(26)	****	****	.0001	(19)	00	01/30	GR
		PERMIT REQUIREMENT	****	****	LBS/DY	****	*****	0.02 DAILY MX	MG/L		ONCE/MONTH	GRAB
NO DATA: CODE	DESCRIPTION				4							

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

COMMENTS:

All results for November are below reporting limits

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
	prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information	Scott C Carr	(815) 923-2131	12-02-2005
Scott Carr, Environmental Coordinator	submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information,	SIGNATURE OF PRINCIPAL EXECUTIVE		
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.	OFFICER OR AUTHORIZED AGENT	AREA NUMBER	MO - DAY - YEAR



1880 W. Winchester Rd., Suite 111 Libertyville, Illinois 60048 Phone: 847-367-6835

Fax: 847-367-6845

9 November 2005

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for October 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of October 2005. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.

Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy

Henry Lopes, Techalloy Scott Carr, Techalloy Steve Hughes, Techalloy Joyce Munie, IEPA

MONTHLY PROGRESS REPORT

Techalloy Site 1 October through 31 October 2005

- 1. **Progress Made This Reporting Period** This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan.
- 2. <u>Summary of Validated Data and Results</u> There was no validation required this reporting period.
- 3. <u>Upcoming Events/Activities Planned</u> The existing remediation systems will continue to operate as planned. Techalloy will be sampling groundwater in December 2005.
- 4. <u>Anticipated Problem Areas and Recommended Solutions</u> There are no current or anticipated problem areas to be resolved.
- 5. **Key Personnel Changes** The Matrix Environmental, Inc. address has been changed to 1880 W. Winchester Rd., Suite 111, Libertyville, IL 60048. All other information pertaining to the company, such as phone number remains the same. There has been no change of key personnel this reporting period.
- 6. <u>Target and Actual Completion Dates</u> This project has not deviated from the project schedule.

PERMITTEE NAME ORESS NAME TECHALLOY COMPANY, INC. **ADDRESS OLSON AND JEFFERSON ROADS** UNION

DISCHARGE MONITORING REPORT (DMR)

IL0070408 PERMIT NUMBER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

0010 DISCHARGE NUMBER

Minor 02

FACILITY TECHALLOY COMPANY, INC.

_OCATION UNION

IL 60180

IL 60180

MONITORING PERIOD MO - DAY - YEAR MO - DAY - YEAR 10-01-2005 FROM то 10-31-2005

TREATED GROUNDWAER **EFFLUENT**

*** No Discharge - ***

PARAM	ICTED			QUANT	ITY OR LOADING	•	Q	UANTITY OR CO	NCENTRATION		NO.	FREQUENCY	SAMPLE
PARAIV	EIEK			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
PH 00400 1		2	SAMPLE MEASUREMENT	****	****		8.1	****	8.1	(12) SU	00	01/30	GR
EFFLUENT GROSS	VAL	JE	PERMIT REQUIREMENT	ENT ***** *****		6.0 MO MIN					ONCE/MONTH	GRAB	
NO DATA: CODE		DESCRIPTION											
COMMENTS:				A.								XV	
1,1,1-TRICHLOROE	THA	IE	SAMPLE MEASUREMENT	****	****	(26) LBS/DY	****	****	.0001	(19) MG/L	00	01/30	GR
FFLUENT GROSS VALUE PERMIT REQUIREM				****			****	***** 0.02 DAILY MX		MG/L		ONCE/MONTH	GRAB
NO DATA: CODE		DESCRIPTION							**************************************				
COMMENTS:													
FLOW, IN CONDUIT TREATMENT PLAN 50050 1		THRU	SAMPLE MEASUREMENT	.737	.737	(03)	****	****	****		00	01/01	CN
EFFLUENT GROSS	VAL	JE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGÓ	****	****	****			DAILY	ESTIMA
NO DATA: CODE		DESCRIPTION											
COMMENTS:													
TETRACHLOROET	HENE		SAMPLE MEASUREMENT	****	****	(26)	****	****	.0001	(19)	00	01/30	GR
FELLIENT GROSS VALUE		PERMIT REQUIREMENT	****	****	LBS/DY	****	****	0.02 DAILY MX	MG/L		ONCE/MONTH	GRAB	
NO DATA: CODE		DESCRIPTION											
COMMENTS:								-					

DADAMETED		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION					FREQUENCY	SAMPLÉ
PARAMETER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
TRICHLOROETHENE	SAMPLE MEASUREMENT	****	****	(26)	****	****	.0001	(19)	00	01/30	GR
78391 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	LBS/DY	****	****	0.02 DAILY MX	MG/L		ONCE/MONTH	GRAB

NO DATA : CODE DESCRIPTION

COMMENTS:

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

October Results are below reporting limits

Scott C	arr, Envi	ronme	ntal Co	ordinator
	TYPED (OR PR	INTED	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

	TELEPHONE	DATE
Scott C Carr	(815) 923-2131	11-01-2005
SIGNATURE OF PRINCIPAL EXECUTIVE		
OFFICER OR AUTHORIZED AGENT	AREA NUMBER	MO - DAY - YEAR



1880 W. Winchester Rd., Suite 111 Libertyville, Illinois 60048 Phone: 847-367-6835

Fax: 847-367-6845

10 October 2005

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for September 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of September 2005. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.

Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy

Henry Lopes, Techalloy Scott Carr, Techalloy Steve Hughes, Techalloy Joyce Munie, IEPA

MONTHLY PROGRESS REPORT

Techalloy Site 1 September through 30 September 2005

- 1. **Progress Made This Reporting Period** This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan.
- 2. <u>Summary of Validated Data and Results</u> There was no validation required this reporting period.
- 3. <u>Upcoming Events/Activities Planned</u> The existing remediation systems will continue to operate as planned. Techalloy will be sampling groundwater in December 2005.
- 4. <u>Anticipated Problem Areas and Recommended Solutions</u> There are no current or anticipated problem areas to be resolved.
- 5. <u>Key Personnel Changes</u> The Matrix Environmental, Inc. address has been changed to 1880 W. Winchester Rd., Suite 111, Libertyville, IL 60048. All other information pertaining to the company, such as phone number remains the same. There has been no change of key personnel this reporting period.
- 6. <u>Target and Actual Completion Dates</u> This project has not deviated from the project schedule.

PERMITTEE NAMED DRESS NAME

TECHALLOY COMPANY, INC.

ADDRESS

OLSON AND JEFFERSON ROADS

UNION

IL 60180 **FACILITY**

TECHALLOY COMPANY, INC. _OCATION UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

IL0070408 **PERMIT NUMBER**

0010 DISCHARGE NUMBER

Minor 02

MONITORING PERIOD MO - DAY - YEAR MO - DAY - YEAR 09-01-2005 09-30-2005 FROM TO

TREATED GROUNDWAER **EFFLUENT**

*** No Discharge - ***

	TER NO.		FREQUENCY	SAMPLE								
PARAME	: IER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	(19) (19)		OF ANALYSIS	TYPE
PH		SAMPLE MEASUREMENT	****	****		7.9	****	7.9	(40) 011	00	01/30	GR
00400 1 EFFLUENT GROSS	VALUE	PERMIT REQUIREMENT	****	****		6.0 MO MIN	****	9.0 MO MAX	(12) 50		ONCE/MONTH	GRAB
NO DATA: CODE	DESCRIPTION				•				1			,
COMMENTS:												*
1,1,1-TRICHLOROET	THANE	SAMPLE MEASUREMENT	****	****	(26)	****	****	.0001	(19)	00	01/30	GR
EFFLUENT GROSS	VALUE	PERMIT REQUIREMENT	****	****	LBS/DY	****	****	0.02 DAILY MX	MG/L		ONCE/MONTH	GRAB
NO DATA: CODE	DESCRIPTION											
COMMENTS:												
FLOW, IN CONDUIT TREATMENT PLANT 50050 1		SAMPLE MEASUREMENT	.786	.786	(03)	****	****	****		00	99/99	CN
EFFLUENT GROSS	VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	****	****	****			DAILY	ESTIMA
NO DATA: CODE	DESCRIPTION										,	
COMMENTS:			**									
TETRACHLOROETH 78389 1	IENE	SAMPLE MEASUREMENT	****	****	(26)	****	****	.0001	(19)	00	01/30	GR
EFFLUENT GROSS	VALUE	PERMIT REQUIREMENT	****	****	LBS/DY	****	****	0.02 DAILY MX	MG/L		ONCE/MONTH	GRAB
NO DATA: CODE	DESCRIPTION											
COMMENTS:												

AVERAGE MAXIMUM UNITS MINIMUM AVERAGE MAXIMUM UNITS TYPE TRICHLOROETHENE 78391 1 EFFLUENT GROSS VALUE PERMIT ***** AVERAGE MAXIMUM UNITS MINIMUM AVERAGE MAXIMUM UNITS EX ANALYSIS TYPE ***** ***** ***** ***** ***** ****	DARAMETER	QUANT	TITY OR LOADING	3	Q	UANTITY OR CO	NCENTRATION		NO.	FREQUENCY	SAMPLE
78391 1 EFFLUENT GROSS VALUE MEASUREMENT ***** ***** (26) ***** ***** .0001 (19) MG/L MG/L ONCE/MONTH GRAB	PARAMETER	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	
EFFLUENT GROSS VALUE PERMIT ***** ***** 0.02 DAILY ONCE/MONTH GRAB		****	****		****	****	.0001		00	01/30	GR
	NAME OF THE PARTY		*****	LBS/DY	****	****	0.02 DAILY MX	MG/L		ONCE/MONTH	GRAB

NO DATA: CODE DESCRIPTION

COMMENTS:

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

Results for the month of September are below reporting limits

Scott C	arr, Envir	onmen	ital Coo	rdinator
	TYPED C	R PRI	NTED	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

	TELEPHONE	DATE
Scott C Carr	(815) 923-2131	09-30-2005
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA NUMBER	MO - DAY - YEAR



1880 W. Winchester Rd., Suite 111 Libertyville, Illinois 60048 Phone: 847-367-6835

Fax: 847-367-6845

9 September 2005

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for August 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of August 2005. Also, enclosed are the effluent analytical results for the month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.

Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy

Henry Lopes, Techalloy Scott Carr, Techalloy Steve Hughes, Techalloy Joyce Munie, IEPA

MONTHLY PROGRESS REPORT Techalloy Site 1 August through 31 August 2005

1. **Progress Made This Reporting Period** – This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan.

Techalloy completed the semi-annual groundwater sampling in June 2005 and a letter report was provided to the U.S. EPA this reporting period. The report presented the results and a comparison of the current results to historical detections.

- 2. <u>Summary of Validated Data and Results</u> There is no validation required this reporting period.
- 3. <u>Upcoming Events/Activities Planned</u> The existing remediation systems will continue to operate as planned.
- 4. <u>Anticipated Problem Areas and Recommended Solutions</u> There are no current or anticipated problem areas to be resolved.
- 5. <u>Key Personnel Changes</u> The Matrix Environmental, Inc. address has been changed to 1880 W. Winchester Rd., Suite 111, Libertyville, IL 60048. All other information pertaining to the company, such as phone number remains the same. There has been no change of key personnel this reporting period.
- 6. <u>Target and Actual Completion Dates</u> This project has not deviated from the project schedule.

PERMITTEE NAME PRESS

TECHALLOY COMPANY, INC.

ADDRESS

OLSON AND JEFFERSON ROADS

UNION

IL 60180

FACILITY

TECHALLOY COMPANY, INC.

LOCATION UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

IL0070408
PERMIT NUMBER

001 0 DISCHARGE NUMBER Minor 02

| MONITORING PERIOD | MO - DAY - YEAR | MO - DAY - YEAR | FROM 08-01-2005 | TO 08-31-2005 |

TREATED GROUNDWAER EFFLUENT

*** No Discharge

DADAS	4FTF			QUANT	ITY OR LOADING	3	Q	UANTITY OR CO	NCENTRATION		NO.	FREQUENCY	SAMPLE
PARAM	CODE DESCRIPTION TS: LOROETHANE GROSS VALUE CODE DESCRIPTION TS: DNDUIT OR THRU T PLANT			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
PH			SAMPLE MEASUREMENT	****	****		8.0	****	8.0	(12) SU	00	01/30	GR
00400 1 EFFLUENT GROSS	S VAL	UE	PERMIT REQUIREMENT	*****	****		6.0 MO MIN	****	9.0 MO MAX	(12) 30		ONCE/MONTH	GRAB
NO DATA: CODE		DESCRIPTION											
COMMENTS:								- 1					
1,1,1-TRICHLOROE	ETHA	NE	SAMPLE MEASUREMENT	****	****	(26)	****	****	.0001	(19)	00	01/30	GR
	FLUENT GROSS VALUE		PERMIT REQUIREMENT	****	****	LBS/DY	****	****	0.02 DAILY MX	MG/L		ONCE/MONTH	GRAB
NO DATA: CODE		DESCRIPTION											
COMMENTS:													
FLOW, IN CONDUITREATMENT PLAN		THRU	SAMPLE MEASUREMENT	.789	.789	(03)	****	****	****		00	01/01	CN
EFFLUENT GROSS	VAL	UE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGĎ	****	****	****			DAILY	ESTIMA
NO DATA: CODE	UE D-LOVER (2047)	DESCRIPTION											
COMMENTS:								1,6				ě	
TETRACHLOROET	HENE		SAMPLE MEASUREMENT	****	****	(26)	****	****	.0001	(19)	00	01/30	GR
EFFLUENT GROSS VALUE		PERMIT REQUIREMENT	****	****	LBS/DY	****	****	0.02 DAILY MX	MG/L		ONCE/MONTH	GRAB	
NO DATA: CODE		DESCRIPTION											
COMMENTS:							-						

PARAMETER		QUANT	TTY OR LOADING)	Q	UANTITY OR CO	NCENTRATION		NO.	FREQUENCY	SAMPLE
PARAMETER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
TRICHLOROETHENE 78391 1	SAMPLE MEASUREMENT	****	****	(26)	****	****	.0001	(19)	00	01/30	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	LBS/DY	****	****	0.02 DAILY MX	MG/L		ONCE/MONTH	GRAB

NO DATA : CODE DESCRIPTION COMMENTS:

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

Analytical for August are below reporting limits.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	. Totally alliant politicity of last that this accomment and all attachments were		TELEPHONE	DATE
2-40-5	prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information	Scott C Carr	(815) 923-2131	09-08-2005
Scott Carr, Environmental Coordinator	submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information.	SIGNATURE OF PRINCIPAL EXECUTIVE		
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.	OFFICER OR AUTHORIZED AGENT	AREA NUMBER	MO - DAY - YEAR



1880 W. Winchester Rd., Suite 111 Libertyville, Illinois 60048 Phone: 847-367-6835

Fax: 847-367-6845

10 August 2005

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re:

Techalloy Site Progress Report for July 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of July 2005. Also, enclosed are the effluent analytical results for the month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.

Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy

Henry Lopes, Techalloy Scott Carr, Techalloy Steve Hughes, Techalloy Joyce Munie, IEPA

MONTHLY PROGRESS REPORT

Techalloy Site 1 July through 31 July 2005

1. **Progress Made This Reporting Period** – This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. This year there are permits that will require renewal.

Techalloy completed the semi-annual groundwater sampling in June 2005 and during this reporting month data has been analyzed, validated, tabulated and interpreted. A letter report presenting the results was also prepared and is to be submitted in August. Preliminary results indicated that constituents continue to decrease. The letter report will provide more detail and a comparison provided of current results to historical detections.

- 2. <u>Summary of Validated Data and Results</u> Semi-annual groundwater sampling was validated this reporting period. This information will be included in the August report.
- 3. <u>Upcoming Events/Activities Planned</u> The existing remediation systems will continue to operate as planned.
- 4. **Anticipated Problem Areas and Recommended Solutions** There are no current or anticipated problem areas to be resolved.
- 5. <u>Key Personnel Changes</u> The Matrix Environmental, Inc. address has been changed to 1880 W. Winchester Rd., Suite 111, Libertyville, IL 60048. All other information pertaining to the company, such as phone number remains the same. There has been no change of key personnel this reporting period.
- 6. <u>Target and Actual Completion Dates</u> This project has not deviated from the project schedule.

PERMITTEE NAME/ADDRESS
NAME
TECHALLOY COMPANY, INC.
ADDRESS
OLSON AND JEFFERSON ROADS
UNION

TECHALLOY COMPANY, INC.

FACILITY

LOCATION

UNION

IL 60180

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408
PERMIT NUMBER

001 0 DISCHARGE NUMBER Minor 02

 MONITORING PERIOD

 MO - DAY - YEAR
 MO - DAY - YEAR

 FROM
 07-01-2005
 TO
 07-31-2005

TREATED GROUNDWAER EFFLUENT

*** No Discharge

D4-1-1-				QUANT	ITY OR LOADING)	Q	UANTITY OR CO	NCENTRATION		NO.	FREQUENCY	SAMPLE
PARAM	CODE DESCRIPTIONS: LOROETHANE GROSS VALUE CODE DESCRIPTIONS: DNDUIT OR THRU FPLANT GROSS VALUE CODE DESCRIPTIONS: DROETHENE GROSS VALUE GROSS VALUE			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
PH 00400 1			SAMPLE MEASUREMENT	****	****		7.8	****	7.8	(12) SU	00	01/30	GR
EFFLUENT GROSS	VALUE		PERMIT REQUIREMENT	****	****		6.0 MO MIN	*****	9.0 MO MAX	(,		ONCE/MONTH	GRAB
NO DATA: CODE	DE	SCRIPTION						6 4				-	
COMMENTS:													ž
1,1,1-TRICHLOROE	THANE		SAMPLE MEASUREMENT	****	****	(26)	****	****	.0001	(19)	00	01/30	GR
EFFLUENT GROSS	REQUIREMEN		PERMIT REQUIREMENT	****	****	LBS/DY	*****	****	0.02 DAILY MX	MG/L		ONCE/MONTH	GRAB
NO DATA: CODE	DE	SCRIPTION				9	2						
COMMENTS:													
FLOW, IN CONDUIT TREATMENT PLAN 50050 1		RU	SAMPLE MEASUREMENT	.793	.793	(03)	****	****	****		00	01/01	CN
EFFLUENT GROSS	VALUE		PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGÓ	****	*****	*****	ā		DAILY	ESTIMA
NO DATA: CODE	DE	SCRIPTION		g na ^{ar}									
COMMENTS:													
TETRACHLOROET	HENE		SAMPLE MEASUREMENT	****	****	(26)	****	****	.0001	(19)	00	01/30	GR
EFFLUENT GROSS	VALUE		PERMIT REQUIREMENT	****	*****	LBS/DY	****	****	0.02 DAILY MX	MG/L		ONCE/MONTH	GRAB
NO DATA: CODE	DE	SCRIPTION		3									
COMMENTS:													

			QUANTITY OR LOADING QUANTITY OR CONCENTRATION							NO.	NO. FREQUENCY	SAMPLE
PARAMET	ER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
TRICHLOROETHENE 78391 1		SAMPLE MEASUREMENT	****	****	(26)	****	****	.0001	(19)	00	01/30	GR
EFFLUENT GROSS V	ALUE	PERMIT REQUIREMENT	****	****	LBS/DY	******	*****	0.02 DAILY MX	MG/L		ONCE/MONTH	GRAB
NO DATA: CODE	DESCRIPTION											
COMMENTS:												

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

July analytical reports are below reporting limits

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information	Scott C Carr	TELEPHONE	DATE
			(815) 923-2131	08-08-2005
Scott Carr, Environmental Coordinator	submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information,	SIGNATURE OF PRINCIPAL EXECUTIVE		
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.	OFFICER OR AUTHORIZED AGENT	AREA NUMBER	MO - DAY - YEAR



1880 W. Winchester Rd., Suite 111 Libertyville, Illinois 60048 Phone: 847-367-6835

Fax: 847-367-6845

6 July 2005

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for June 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of June 2005. Also, enclosed are the effluent analytical results for the month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.

Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy

Henry Lopes, Techalloy Scott Carr, Techalloy Steve Hughes, Techalloy Joyce Munie, IEPA

MONTHLY PROGRESS REPORT Techalloy Site 1 June through 30 June 2005

- 1. Progress Made This Reporting Period This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. This year there are permits that will require renewal. Techalloy has prepared and submitted the extraction system NPDES permit renewal application to the Illinois EPA during June 2005.
- 2. <u>Summary of Validated Data and Results</u> Semi-annual groundwater sampling took place during the month of June. However, no data was available for validation this reporting period. This information will be included in the July report.
- 3. <u>Upcoming Events/Activities Planned</u> The existing remediation systems will continue to operate as planned.
- 4. <u>Anticipated Problem Areas and Recommended Solutions</u> There are no current or anticipated problem areas to be resolved.
- 5. <u>Key Personnel Changes</u> There has been no change of key personnel this reporting period.
- 6. <u>Target and Actual Completion Dates</u> This project has not deviated from the project schedule.

PERMITTEE NAME ADDRESS
NAME TECHALLOY COMPANY, INC.
ADDRESS
OLSON AND JEFFERSON ROADS
UNION

TECHALLOY COMPANY, INC.

FACILITY

LOCATION

UNION

IL 60180

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408
PERMIT NUMBER

001 0 DISCHARGE NUMBER Minor 02

 MONITORING PERIOD

 MO - DAY - YEAR
 MO - DAY - YEAR

 FROM
 06-01-2005
 TO
 06-30-2005

TREATED GROUNDWAER EFFLUENT

*** No Discharge

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		PERMIT REQUIREMENT	****	*****		6.0 MO MIN) MIN *****	9.0 MO MAX	(12) 00		ONCE/MONTH	GRAB	
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COMMENTS:													
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PARAMETER			QUAN	TITY OR LOADING	3	QUANTITY OR CONCENTRATION					FREQUENCY	SAMPLE
			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	T)/D=
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COMMENTS:			,,									

CONSIDERATIONS FOR FORM COMPLETION

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Scott Carr, Environmental Coordinator
TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

	TELEPHONE	DATE	
Scott C Carr	(815) 923-2131	07-07-2005	
SIGNATURE OF PRINCIPAL EXECUTIVE			
OFFICER OR AUTHORIZED AGENT	AREA NUMBER	MO - DAY - YEAR	



357 Milwaukee Ave. Suite A Libertyville, Illinois 60048 Phone: 847-367-6835

Fax: 847-367-6845

9 June 2005

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for May 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of May 2005. Also, enclosed are the effluent analytical results for the month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.

Matrix Environmental, Inc.

CJS:sk

Attachment

ce: David Williams, Techalloy

Henry Lopes, Techalloy Scott Carr, Techalloy Steve Hughes, Techalloy

MONTHLY PROGRESS REPORT

Techalloy Site 1 May through 31 May 2005

- 1. **Progress Made This Reporting Period** This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. This year there are permits that will require renewal. The extraction system NPDES permit will be renewed this year and Techalloy will be preparing the application and submitting all appropriate permits for renewal.
- 2. <u>Summary of Validated Data and Results</u> No data was available for validation this reporting period.
- 3. <u>Upcoming Events/Activities Planned</u> The existing remediation systems will continue to operate as planned. Next month groundwater sampling is planned.
- 4. <u>Anticipated Problem Areas and Recommended Solutions</u> There are no current or anticipated problem areas to be resolved.
- 5. <u>Key Personnel Changes</u> There has been no change of key personnel this reporting period.
- 6. <u>Target and Actual Completion Dates</u> This project has not deviated from the project schedule.

PERMITTEE NA DDRESS NAME

TECHALLOY COMPANY, INC.

DDRESS
OLSON AND JEFFERSON ROADS
UNION

IL 60180

FACILITY

TECHALLOY COMPANY, INC.

LOCATION UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408
PERMIT NUMBER

001 0 DISCHARGE NUMBER

 MONITORING PERIOD

 MO - DAY - YEAR
 MO - DAY - YEAR

 FROM
 05-01-2005
 TO
 05-31-2005

Minor 02

TREATED GROUNDWAER EFFLUENT

*** No Discharge \Box ***

				QUANTI	TY OR LOADING	3	Q	UANTITY OR CO	NCENTRATION		NO.	FREQUENCY	SAMPLE
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78391 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	LBS/DY	****	****	0.02 DAILY MX	MG/L		ONCE/MONTH	GRAB

NO DATA : CODE DESCRIPTION
COMMENTS:

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

All results for May are below reporting limits.

NAME/TITLE PRINCIPAL E	XECUTIVE OFFICER
Scott Carr, Environme	ental Coordinator
TYPED OR PR	RINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

	TELEPHONE	DATE
Scott C Carr	(815) 923-2131	06-09-2005
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA NUMBER	MO - DAY - YEAR



357 Milwaukee Ave. Suite A Libertyville, Illinois 60048 Phone: 847-367-6835

Fax: 847-367-6845

10 May 2005

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for April 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of April 2005. Also, enclosed are the effluent analytical results for the month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.

Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy

Henry Lopes, Techalloy Scott Carr, Techalloy Steve Hughes, Techalloy

MONTHLY PROGRESS REPORT Techalloy Site 1 April through 30 April 2005

- 1. Progress Made This Reporting Period This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. This year there are permits that will require renewal. The extraction system NPDES permit will be renewed this year and Techalloy will be preparing the application and submitting all appropriate permits for renewal.
- 2. <u>Summary of Validated Data and Results</u> No data was available for validation this reporting period.
- 3. <u>Upcoming Events/Activities Planned</u> The existing remediation systems will continue to operate as planned.
- 4. <u>Anticipated Problem Areas and Recommended Solutions</u> There are no current or anticipated problem areas to be resolved.
- 5. <u>Key Personnel Changes</u> There has been no change of key personnel this reporting period.
- 6. <u>Target and Actual Completion Dates</u> This project has not deviated from the project schedule.

.

PERMITTEE NAME DORESS
NAME
TECHALLOY COMPANY, INC.
ADDRESS
OLSON AND JEFFERSON ROADS
UNION

IL 60180

FACILITY
TECHALLOY COMPANY, INC.
-OCATION

UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408
PERMIT NUMBER

001 0 DISCHARGE NUMBER Minor 02

 MONITORING PERIOD

 MO - DAY - YEAR
 MO - DAY - YEAR

 FROM
 04-01-2005
 TO
 04-30-2005

TREATED GROUNDWAER EFFLUENT

*** No Discharge \(\text{ ***}

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PARAMETER			QUANTITY OR LOADING			QUANTITY OR CONCENTRATION					FREQUENCY	SAMPLE
			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX		TYPE
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COMMENTS:							=					

CONSIDERATIONS FOR FORM COMPLETION

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
	prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information	Scott C Carr	(815) 923-2131	05-10-2005
Scott Carr, Environmental Coordinator	submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information,	SIGNATURE OF PRINCIPAL EXECUTIVE	ADEA	
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.	OFFICER OR AUTHORIZED AGENT	AREA NUMBER	MO - DAY - YEAR



357 Milwaukee Ave. Suite A Libertyville, Illinois 60048 Phone: 847-367-6835

Fax: 847-367-6845

10 April 2005

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for March 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of March 2005. Also, enclosed are the effluent analytical results for the month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.

Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy

Henry Lopes, Techalloy Scott Carr, Techalloy Steve Hughes, Techalloy

MONTHLY PROGRESS REPORT

Techalloy Site 1 March through 31 March 2005

- 1. <u>Progress Made This Reporting Period</u> This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. This year there are permits that need to be renewed. The extraction system NPDES permit will be renewed this year and Techalloy will be preparing the application and submitting all appropriate permits for renewal.
- 2. <u>Summary of Validated Data and Results</u> No data was available for validation this reporting period.
- 3. <u>Upcoming Events/Activities Planned</u> The existing remediation systems will continue to operate as planned.
- 4. <u>Anticipated Problem Areas and Recommended Solutions</u> There are no current or anticipated problem areas to be resolved.
- 5. <u>Key Personnel Changes</u> There has been no change of key personnel this reporting period.
- 6. <u>Target and Actual Completion Dates</u> This project has not deviated from the project schedule.

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DAGE 1

EPA eDMR System.



357 Milwaukee Ave. Suite A Libertyville, Illinois 60048 Phone: 847-367-6835

Fax: 847-367-6845

10 March 2005

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for February 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of February 2005. Also, enclosed are the effluent analytical results for the month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.

Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy

Henry Lopes, Techalloy Scott Carr, Techalloy Steve Hughes, Techalloy

MONTHLY PROGRESS REPORT Techalloy Site 1 February through 28 February 2005

- 1. Progress Made This Reporting Period This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. Techalloy received the analytical data from the groundwater sampling conducted last month. This data was validated and tabulated and a letter report prepared. The data confirmed the continued decreasing values of chlorinated solvent constituents. The constituents that continue to exceed the MCLs are PCE, trichloroethene (TCE), and 1,1,1 trichloroethane (TCA). These constituents are solvent parent products; however, degradation daughter products are present, but do not exceed applicable standards. Techalloy will continue to monitor the downgradient migration and decreasing concentration trends. A letter report summarizing the data was submitted to the U.S. EPA.
- 2. <u>Summary of Validated Data and Results</u> The semi-annual groundwater data was validated this reporting period.
- 3. <u>Upcoming Events/Activities Planned</u> The existing remediation systems will continue to operate as planned.
- 4. <u>Anticipated Problem Areas and Recommended Solutions</u> There are no current or anticipated problem areas to be resolved.
- 5. <u>Key Personnel Changes</u> There has been no change of key personnel this reporting period.
- 6. <u>Target and Actual Completion Dates</u> This project has not deviated from the project schedule.

PERMITTEE NAME/ADDRESS NAME TECHALLOY COMPANY, INC. **ADDRESS** OLSON AND JEFFERSON ROADS UNION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

IL0070408
PERMIT NUMBER

0010 DISCHARGE NUMBER Minor 02

FACILITY TECHALLOY COMPANY, INC.

UNION

LOCATION

IL 60180

IL 60180

MONITORING PERIOD MO - DAY - YEAR MO - DAY - YEAR 02-01-2005 02-28-2005 FROM TO

TREATED GROUNDWAER **EFFLUENT**

*** No Discharge - ***

			QUANTI	TY OR LOADING	3	QUANTITY OR CONCENTRATION					FREQUENCY	SAMPLE
PARAMETER PH			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
PH 00400 1 EFFLUENT GROSS VALUE		SAMPLE MEASUREMENT	****	****		7.9	****	7.9	(12) SU	00	01/30	GR
		PERMIT REQUIREMENT	****	****		6.0 MO MIN	****	9.0 MO MAX	(12) 00		ONCE/MONTH	GRAB
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		PERMIT REQUIREMENT	****	LBS/DY	****	****	0.02 DAILY MX	MG/L		ONCE/MONTH	GRAB	
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CONSIDERATIONS FOR FORM COMPLETION

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
	prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information	Scott C Carr	(815) 923-2131	03-08-2005
Scott Carr, Environmental Coordinator	submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information,	SIGNATURE OF PRINCIPAL EXECUTIVE		
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.	OFFICER OR AUTHORIZED AGENT	AREA NUMBER	MO - DAY - YEAR



357 Milwaukee Ave. Suite A Libertyville, Illinois 60048 Phone: 847-367-6835

Fax: 847-367-6845

10 February 2005

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for January 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of January 2005. Also, enclosed are the effluent analytical results for the month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.

Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy

Henry Lopes, Techalloy Scott Carr, Techalloy

Steve Hughes, Techalloy

MONTHLY PROGRESS REPORT Techalloy Site 1 January through 31 January 2005

- 1. Progress Made This Reporting Period This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. A performance evaluation of the system's performance has been conducted that indicates that groundwater concentrations have reduced significantly immediately downgradient of the facility and that solvent concentrations in the soil have also significantly declined; however, soil in the immediate area of the solvent evaporation pad still remains elevated, but has also significantly decreased. This report has been submitted to Techalloy. Also this reporting period Techalloy conducted semi-annual groundwater sampling and analysis of the selected monitoring wells.
- 2. <u>Summary of Validated Data and Results</u> This reporting period no validation of data was conducted.
- 3. <u>Upcoming Events/Activities Planned</u> The existing remediation systems will continue to operate as planned. The semi-annual groundwater data will be available and a report will be completed in February 2005.
- 4. <u>Anticipated Problem Areas and Recommended Solutions</u> There are no current or anticipated problem areas to be resolved.
- 5. **<u>Key Personnel Changes</u>** There has been no change of key personnel this reporting period.
- 6. <u>Target and Actual Completion Dates</u> This project has not deviated from the project schedule.

PERMITTEE NAME/ADDRESS (Maddle Factory Manual Lacenton of Duportonia)
NAME TECHALLOY COMPANY, INC.
ADDRESSOLSON AND JEFFERSON ROADS
UNION IL 60180

FACILITY TECHALLDY COMPANY, INC.

LOCATIONUNION

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*** NO DISCHARGE

NO DISCHARGE |
NOTE: Read Instructions before completing this form.

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ECHALLOY

IL 60180

DISCHARGE MONITORING REPORT (DMR)

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COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference of attachments here)

Results for the month of January are below reporting limits
Report late due to Electronic fileing down